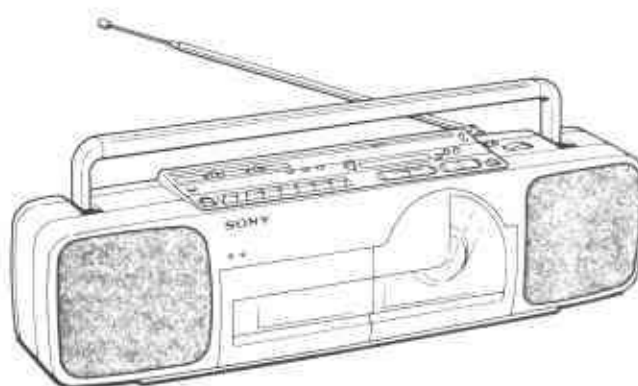


CFD-66L

SERVICE MANUAL REVISED

*AEP Model
UK Model*



SPECIFICATIONS

CD player section

System	Compact disc digital audio system
Laser diode properties	Material: GaAlAs Wavelength: 780 nm Emission duration: Continuous Laser output: Max 0.4 mW *
Frequency response	20–20,000 Hz \pm 1 dB

Radio section

Frequency range	FM: 87.6–107 MHz (AEP, UK model) 87.5–108 MHz (italian model) SW1: 5.85–6.35 MHz SW2: 9.30–10.10 MHz SW3: 11.60–12.10 MHz SW4: 14.90–15.70 MHz SW5: 17.40–18.20 MHz MW: 530–1,605 kHz (AEP, UK model) 526.5–1,606.5 kHz (italian model) LW: 150–285 kHz (AEP, UK model) 184.5–283.5 kHz (italian model)
-----------------	---

Antennas	FM/SW: Telescopic antenna MW: Built-in ferrite bar antenna LW: Built-in ferrite bar antenna
----------	---


Model Name Using Similar Mechanism	CFS-280L
Tape Transport Mechanism Type	MF-66-78D

Tape recorder section and general

Recording system	4-track 2-channel stereo
Fast winding time	Approx. 2 min. with Sony cassette C60
Frequency response	with TYPE I (NORMAL) cassette: 50–10,000 Hz
Speakers	10 cm (4 inches) dia. cone type
Peak music power output	28 W (14 W + 14 W)
Inputs	Mixing microphone input jack (minijack) Sensitivity 2.5 mV For low impedance microphone Line input jacks (phono jacks)—2 Sensitivity 0.44 V Input impedance 47 kilohms or higher
Outputs	Headphones jack (stereo minijack)—2 For 8–300 ohms impedance headphones CD output jacks (phono jack)—2 Load impedance 10 kilohms or higher Rated output 1.5 V rms at load impedance 47 kilohms
Power requirements	UK: 240 V AC, 50 Hz AEP: 220 V AC, 50 Hz

— Continued on page 2 —

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

FM/MW/LW/SW1-5
COMPACT DISC CASSETTE-CODER
SONY

Power consumption UK: 46W
AEP : 26W

Battery life

Batteries	Sony SUM-1 (NS)	Sony Alkaline AM1
Tape playback	Approx. 4	Approx. 6
FM recording	Approx. 8	Approx. 12
Disc playing	Approx. 2	Approx. 3

(hour)

Dimensions Approx. 577×167×155.5mm (w/h/d)
(22 $\frac{3}{4}$ ×6 $\frac{3}{4}$ ×6 $\frac{1}{4}$ inches)

Weight incl. projecting parts and controls
Approx. 5.2kg (11lb 8oz)
incl. batteries

Supplied accessory AC power cord (1)

FEATURES

CD player section

- Repeat function for playing either the entire disc or a desired selection.
- Program play for playing selections in the desired order.
- Shuffle play for playing selections repeatedly in random order.

Cassette deck section

- Auto-reverse function which enables to repeat playback on both sides of a cassette continuously, without turning over the cassette.
- AMS (Automatic Music Sensor) function for locating the beginning of the selection being played or the next selection.

Notes on CFD-66L repairing

The spindle motor (M702) used in this set is pressed into turntable assy, but the repair parts are supplied separately. When replacing, order both turntable assy and spindle motor. The installation dimension is as shown below.

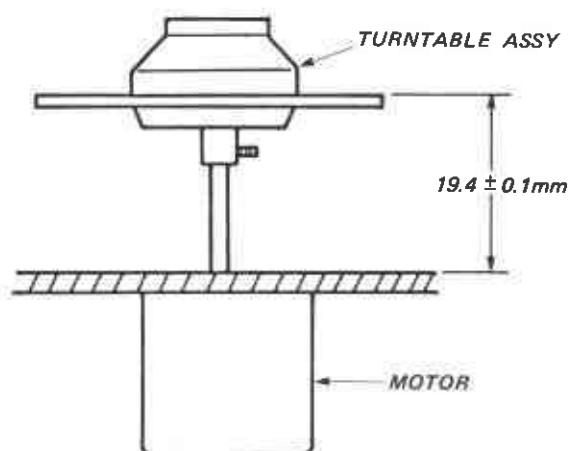
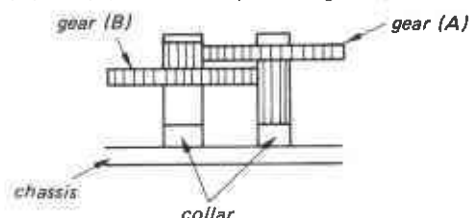


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Note:

The collar is included in the gear (A) and (B) for repair. When replacing, install a collar as illustrated and note that the gear (A) and (B) should be replaced together.



SECTION 3 ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS (MECHANICAL DECK SECTION)

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:

record/playback head	pinch roller
erase head	rubber belts
capstan	idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque

Torque	Torque meter	Meter reading
FWD	CQ102C	25 ~ 55 g·cm (0.347 ~ 0.763 oz·inch)
FWD Back Tension	CQ102C	2.5 ~ 5.5 g·cm (0.034 ~ 0.076 oz·inch)
REV	CQ102RB	25 ~ 55 g·cm (0.347 ~ 0.763 oz·inch)
REV Back Tension	CQ102RB	2.5 ~ 5.5 g·cm (0.034 ~ 0.076 oz·inch)
FF	CQ201B	100 ~ 180 g·cm (1.388 ~ 2.499 oz·inch)
REW	CQ201B	95 ~ 145 g·cm (1.319 ~ 2.013 oz·inch)

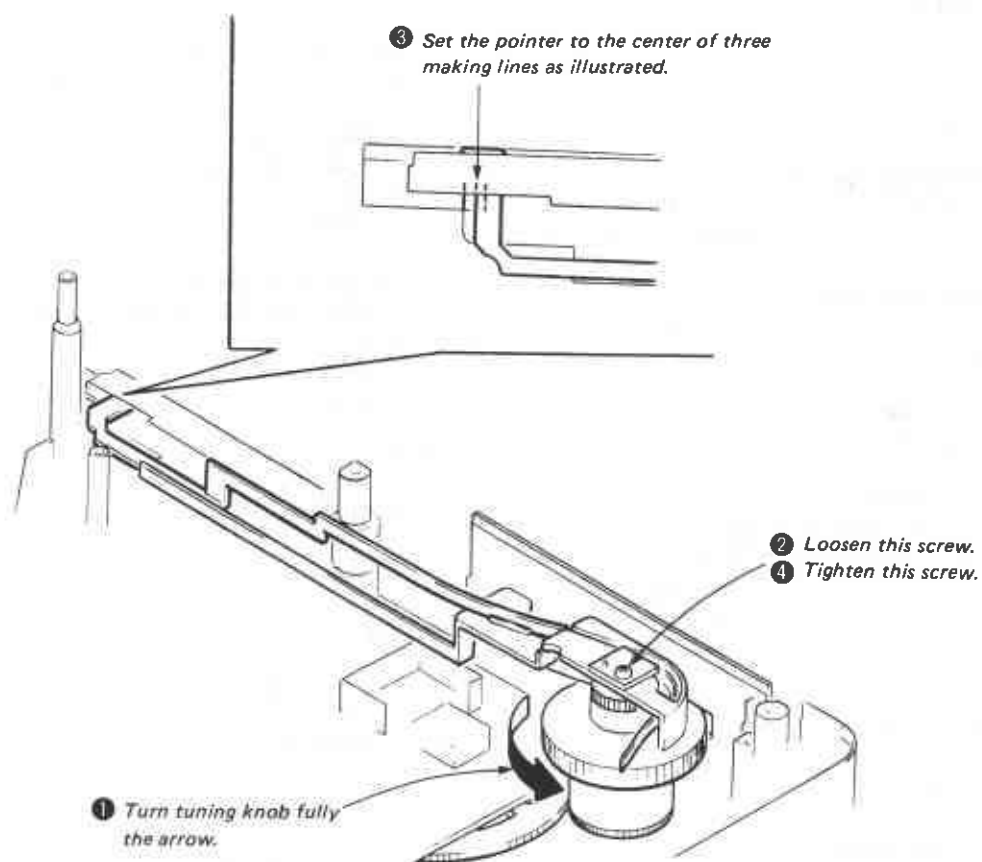
Tape Path Adjustment

When the mode is playback (FWD, REV), run a mirror cassette, then turn adjustment screw to eliminate tape curl and tape twist at tape guide on erase head and record/playback head.
Adjust the height by using head shim if needed.
Standard $t = 0.1$

PART CODE	t
3-578-138-01	0.1
3-578-138-11	0.2

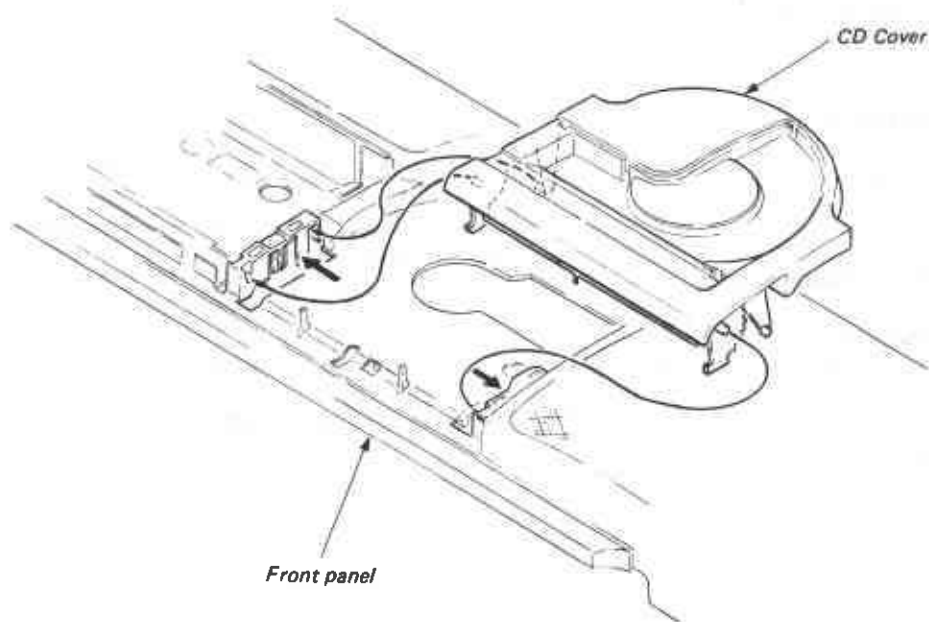


2-2. DIAL POINTER SETTING



2-3. CD COVER INSTALLATION OR REMOVAL

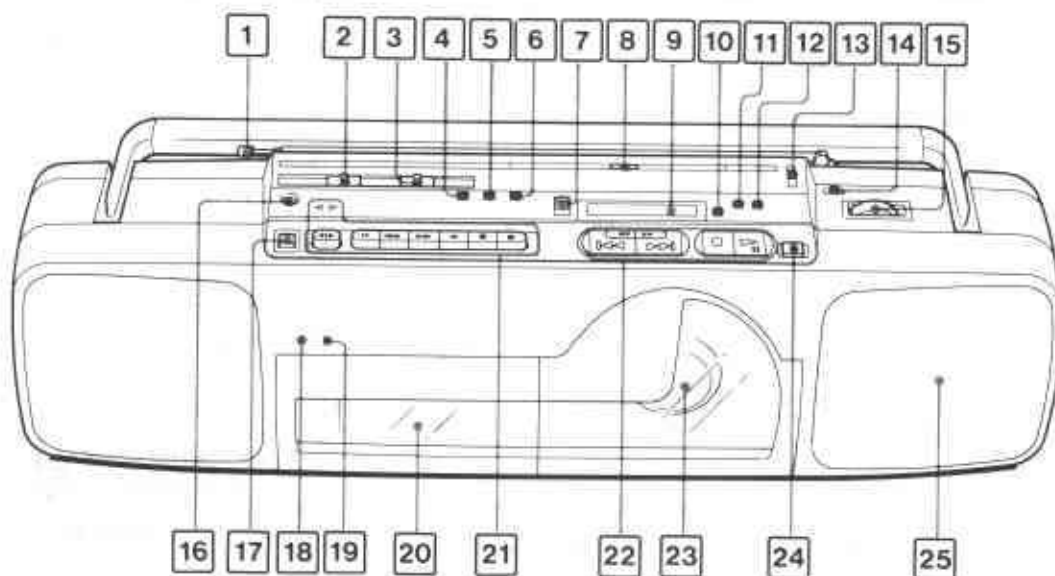
When installing or removing, spread the portion marking by the arrow as illustrated.



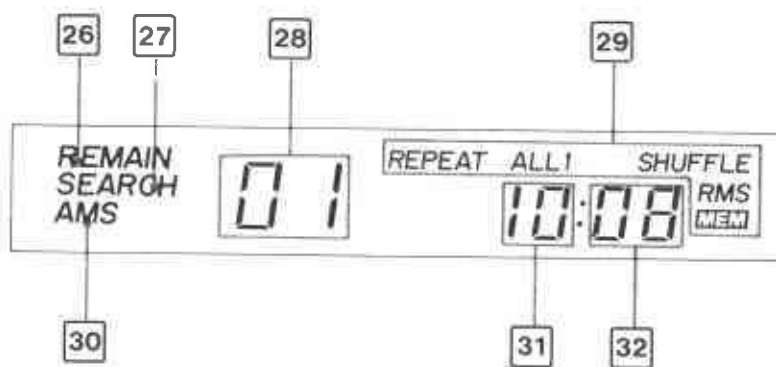
- 1 **Telescopic antenna**
- 2 **VOLUME control**
- 3 **TONE control**
Slide towards HIGH to increase treble, and towards LOW to decrease it.
- 4 **DIRECTION MODE selector**
→: To play back on both sides of a cassette once.
↺: To repeat playback of both sides of a cassette.
- 5 **REC MUTE (record muting) button**
Press to eliminate unwanted material and to insert a blank space during recording.
- 6 **TAPE SELECT button**
Select the type of tape to be played back.
- 7 **FUNCTION selector**
Select the desired program source.
CD: To listen to or record the CD sound.
LINE IN: To listen to or record the sound of the equipment connected to the LINE IN jacks.
RADIO: To listen to or record radio programs.
TAPE: To play back the tape.
- 8 **Dial scale and pointer**
- 9 **Display window**
- 10 **REMAIN/ENTER selector**
- 11 **REPEAT 1/ALL (repeat play) selector**
- 12 **SHUFFLE/RMS (random music sensor) selector**
- 13 **BAND selector**
- 14 **SW₁₋₅ (SW₁-SW₅) selector**
Set to the desired SW band.
- 15 **TUNING knob**
- 16 **PHONES (headphones) A jack (stereo minijack)**
When the headphones are connected to the jack, the sound from the speakers does not come out.
- 17 **POWER switch (ON/OFF STANDBY)**
- 18 **OPR/BATT (operation/battery) indicator**
- 19 **FM STEREO indicator**
Lights up when an FM stereo of sufficient signal strength is tuned in.
- 20 **Cassette holder**
- 21 **Tape operation buttons and indicators**
◀▶ **DIRECTION (tape transport direction):** Press to change tape transport direction during playback.
◀▶ **DIRECTION (tape transport direction indicators)**
|| **PAUSE:** Depress to momentarily stop the tape during recording or playing back. To restart, press it again.
◀◀▶▶: Depress to wind the tape rapidly.
▶ **PLAY (playback)**
● **REC (recording)**
■ **STOP/EJECT**
- 22 **CD operation buttons**
▶|| **PLAY/PAUSE (playback/pause)**
■ **STOP**
◀◀▶▶ **SEARCH**
|◀◀▶▶| **AMS (automatic music sensor)**
- 23 **Disc holder**
- 24 **▲ EJECT (compact disc eject) button**
- 25 **Speaker**
- Display**
- 26 **REMAIN indicator**
- 27 **SEARCH indicator**
- 28 **TRACK indicator**
- 29 **CD play mode indicators**
- 30 **AMS indicator**
- 31 **STEP/MIN (minute) indicator**
- 32 **SEC (second) indicator**
- Rear panel**
- 33 **CD OUT (compact disc outputs) (phono jacks)**
- 34 **LINE IN (line inputs) (phono jacks)**
- 35 **MIX MIC (mixing microphone) jack (minijack)**
- 36 **ISS/FM MODE (interference suppress switch/FM mode switch)**
- 37 **AC IN (AC power input) socket**
- 38 **Battery compartment (rear)**
- 39 **PHONES (headphones) B jack (stereo minijack)**
Even when the headphones are connected to this jack, the sound from the speakers comes out.

SECTION 2 OUTLINE

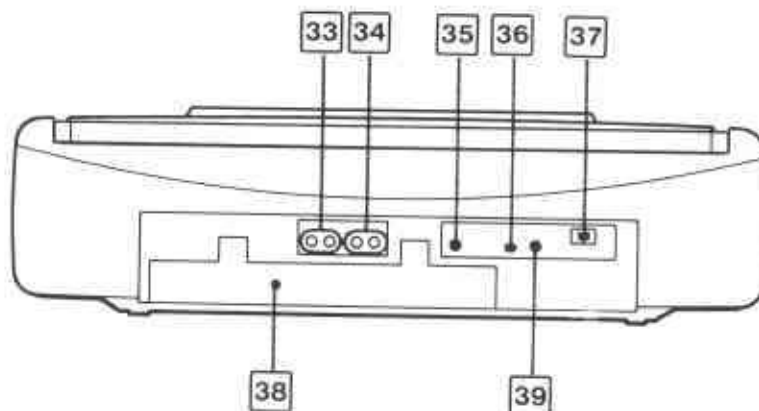
2-1. LOCATION AND FUNCTION OF CONTROL



Display window



Rear panel



1-2. NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

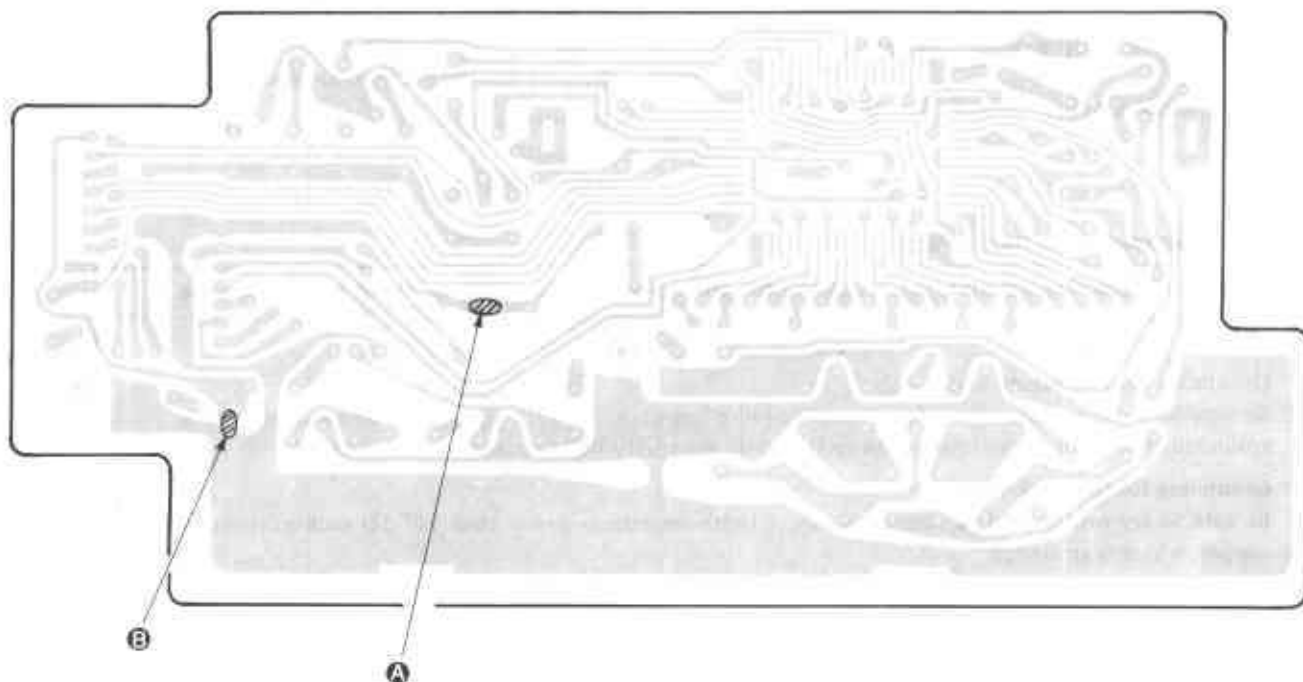
1-3. LASER DIODE EMISSION CHECK

Connect IC802 terminal ② with ground (solder portion **A**), then turn S702 ON. (solder portion **B**) The optical pick up operates continuously up and down after pressing the **▶▶** button, then laser diode emission check will be performed.

* Solder portion **B** to put into the mode that CD disk is inserted. (S702: ON)

Note: Unsolder after laser diode emission check is performed.

[CD CONTROL BOARD]



1-4. CHUCK PLATE JIG FOR REPAIR

When repairing the CD section, use the chuck plate jig in order to play a disc without using the CD cover.

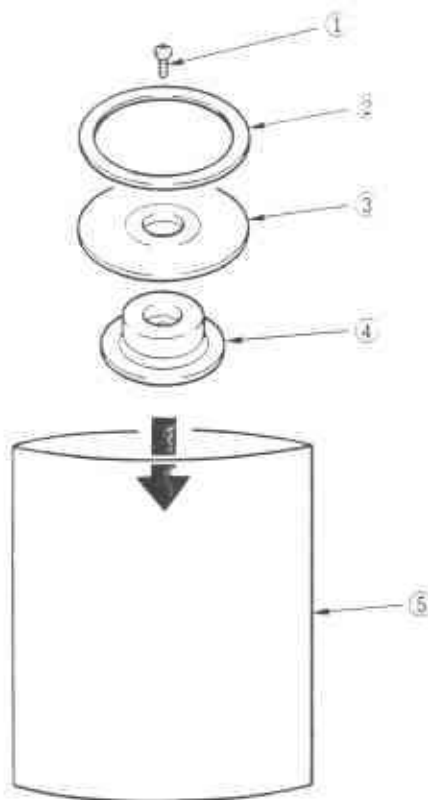
Chuck plate jig part no.: X-4918-255-1

Chuck plate jig component parts:

Part Name

- (1) B 2 x 3
- (2) spacer (B)
- (3) chuck plate (B)
- (4) magnet ass'y
- (5) plastic bag

Component Parts



SECTION 1 SERVICING NOTES

1-1. CAUTION FOR ELECTROSTATIC BREAKDOWN

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK (KSS-150B)

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

The printed matter below is included in the repair parts. During repair, use the procedure in the printed matter.

The flexible board is easily damaged and should be handled with care.

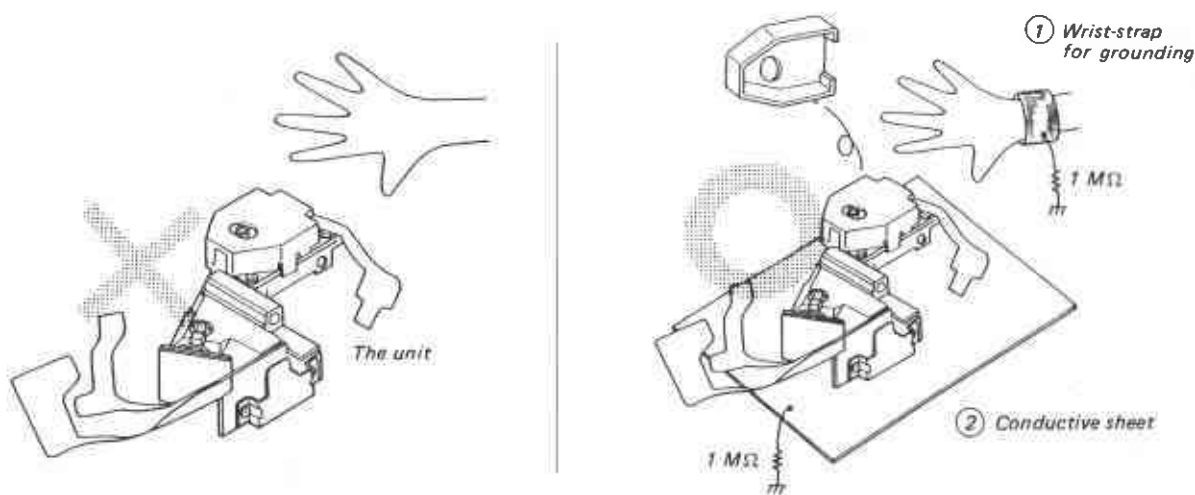
The following method is an example for reference purposes:

1. Place a conductive sheet on the workbench. (The black sheet used as repair parts wrapping).
2. Place the set on the conductive sheet so that the chassis touches the sheet. (This makes it the same potential as the conductive sheet).
3. Place your hands on the conductive sheet. (This makes them the same potential as the sheet).
4. Remove the optical pick-up block.
5. Perform work on top of the conductive sheet. Be careful that clothing does not touch the optical pick-up block.

Printed Matter Included in the Repair Parts

When opening or repairing the unit, the procedure for grounding as follows is required to prevent damage caused by static electricity.

1. **Grounding for the human body**
Be sure to put on a wrist-strap for grounding (with impedance lower than $10^8 \Omega$) whose other end is grounded. The strap works to drain away the static electricity build-up on the human body.
2. **Grounding for the work table**
Be sure to lay on the table a conductive sheet (with impedance lower than $10^9 \Omega$) such as sheet of copper, which is grounded.
3. As static electricity build-up on clothes is not drained away, be careful not to let your clothes touch the unit.
4. **Handling the flexible board**
The flexible board is easily damaged and should be handled with care.



TAPE RECORDER SECTION

1. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
2. The adjustments should be performed for both L-CH and R-CH.

- Switches and controls should be set as follows unless otherwise specified.

FUNCTION TAPE
ISS 2
VOLUME MID

- Standard Redord:

Deliver the standard input signal level to the input jack and set the VOLUME control to obtain the standard output signal level.

- Standard Input Level

	MIX MIC	LINE IN
Source impedance	300Ω	10kΩ
Input level	2.45mV(-50dB)	0.44V(-5dB)

- Standard Output Level

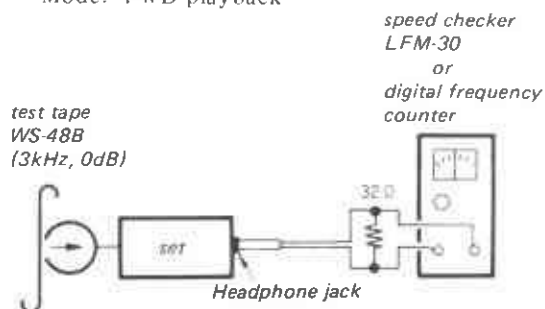
	SP OUT	HEADPHONE
Load impedance	4Ω	32Ω
Output level	0.775V(0dB)	0.25V(-10dB)

0dB = 0.775V

Tape Speed Adjustment

Procedure:

Mode: FWD playback



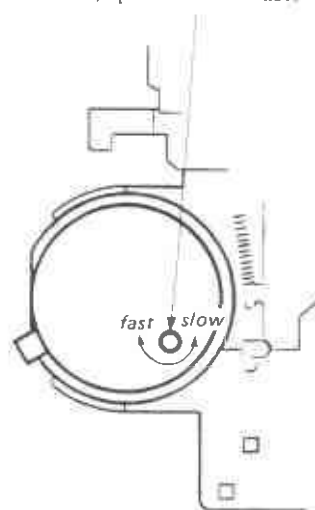
Specification:

Speed checker	Digital frequency counter
-2 ~ -1.3%	2,940 ~ 2,960Hz

Frequency difference between the beginning and the end of the tape should be within 1% (30Hz).

Adjustment Location:

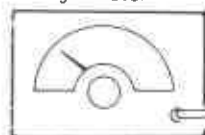
Adjust by using a screwdriver when turning in the direction of clockwise, speed will be fast.



LW

AND: LW
UNCTION: RADIO

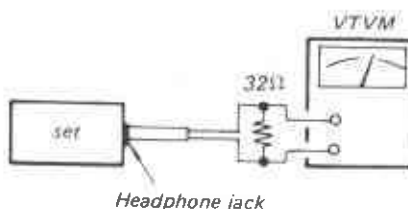
AM RF signal
generator



Put the lead-wire
antenna close to
the set

400Hz, 30%
AM modulation

Output level: as low as possible



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

(): Italian model

LW FREQUENCY COVERAGE ADJUSTMENT

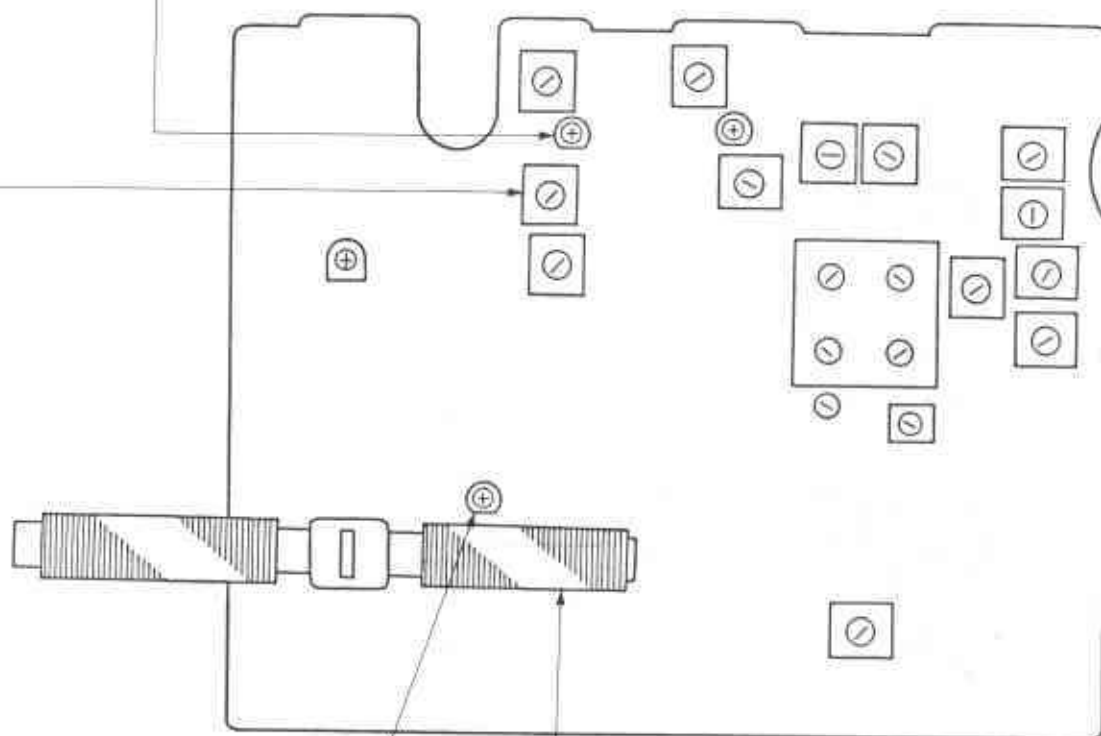
Adjust for a maximum reading on VTVM.

145kHz (138.5kHz)

300kHz (293.5kHz)

T3

CT6



CT5

L11

260kHz

160kHz

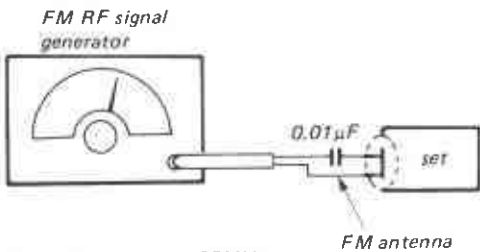
Adjust for a maximum reading
on VTVM.

LW TRACKING ADJUSTMENT

VCO Adjustment

A) Regular Method

Procedure:



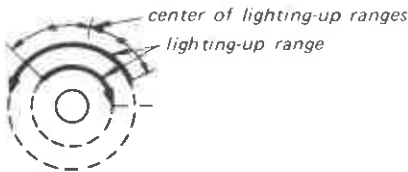
Carrier frequency: 98MHz
Modulation: no modulation
Output level: 1.8mV (55dB)

1. Turn the set to 98MHz.
2. Adjust RV1 for 19kHz ± 0.2 kHz on the counter.

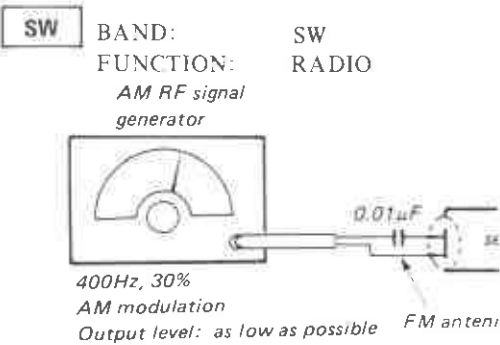
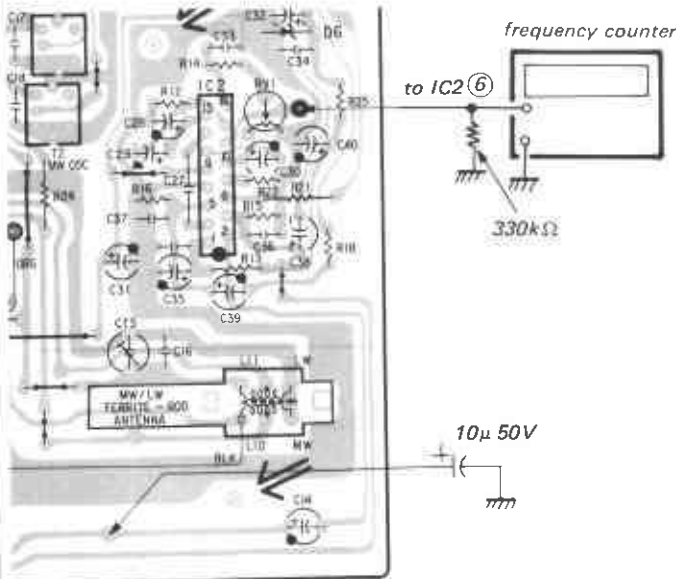
B) Simple Method

Procedure:

1. Tune the set to the FM stereo signal.
2. Tune RV1 clockwise or counterclockwise and memorize the lighting-up range of the stereo lamp.
3. Secure RV1 at the center of the lighting-up range of both turns as shown below.



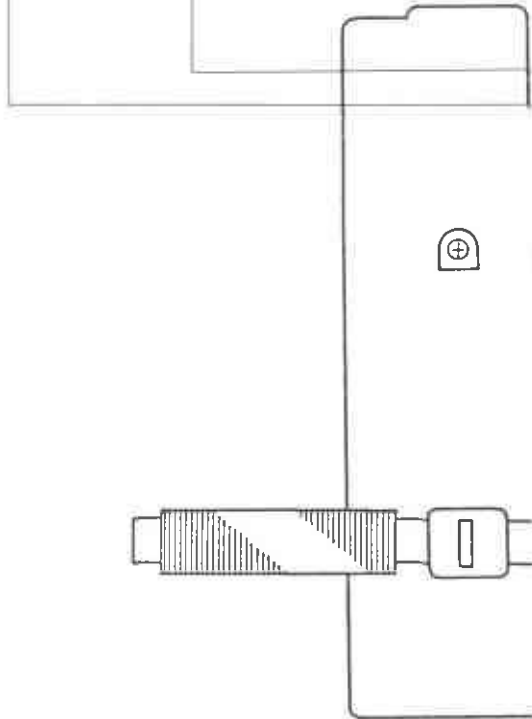
Adjustment Location: Main board



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

SW1 FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
6.4MHz	5.8MHz
CT7	T5

SW2 FREQUENCY ADJUSTMENT
Adjust for a maximum reading on VTVM.
9.7MHz



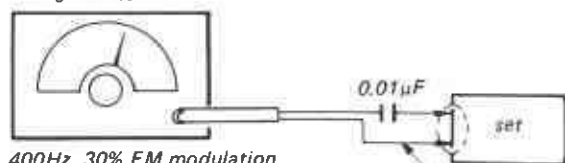
3-2. ELECTRICAL ADJUSTMENTS

RADIO SECTION

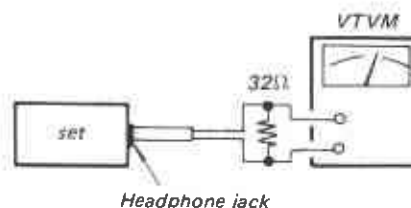
FM

BAND: FM
FUNCTION: RADIO

FM RF signal
generator

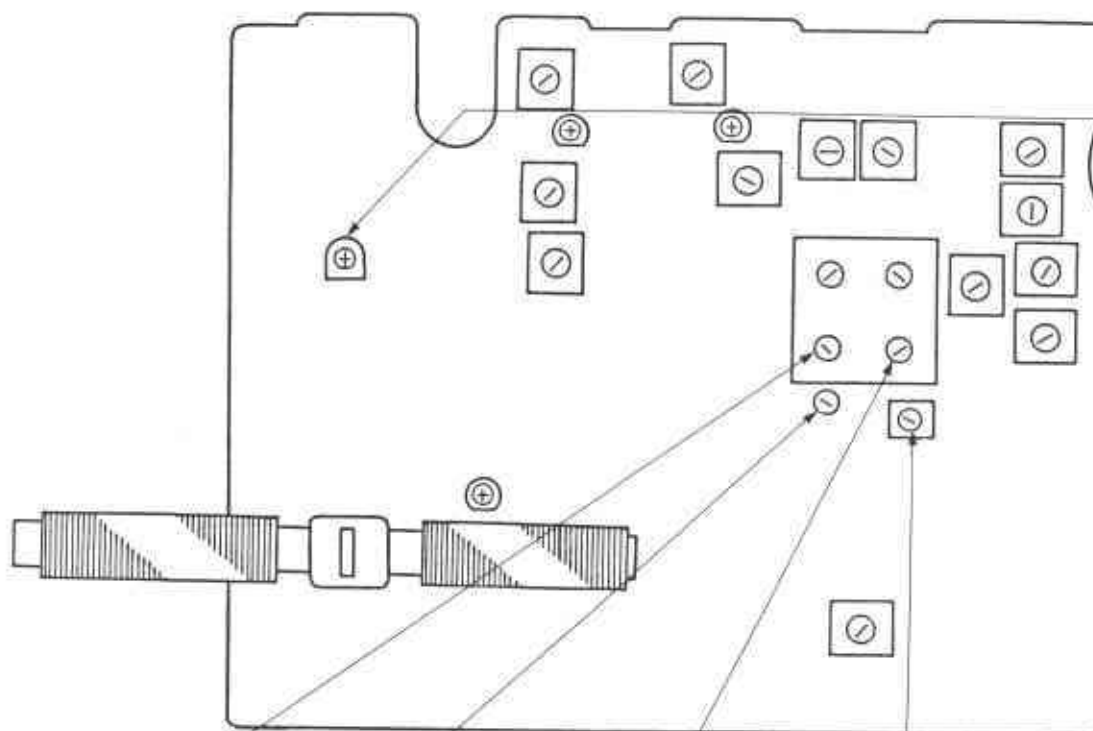


400Hz, 30% FM modulation
frequency deviation $\pm 22.5\text{kHz}$
output level: as low as possible



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

(): Italian model

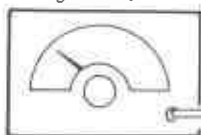


CT1-1	L2
107.8MHz (108.25MHz)	87.35MHz
Adjust for a maximum reading on VTVM.	
FM TRACKING ADJUSTMENT	

CT1-2	L3
107.8MHz (108.25MHz)	87.35MHz
Adjust for a maximum reading on VTVM.	
FM FREQUENCY COVERAGE ADJUSTMENT	

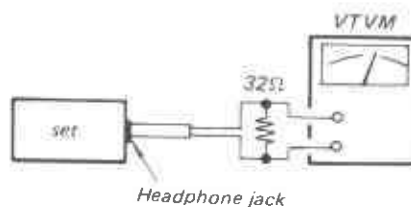
MW

BAND: MW
FUNCTION: RADIO
AM RF signal generator



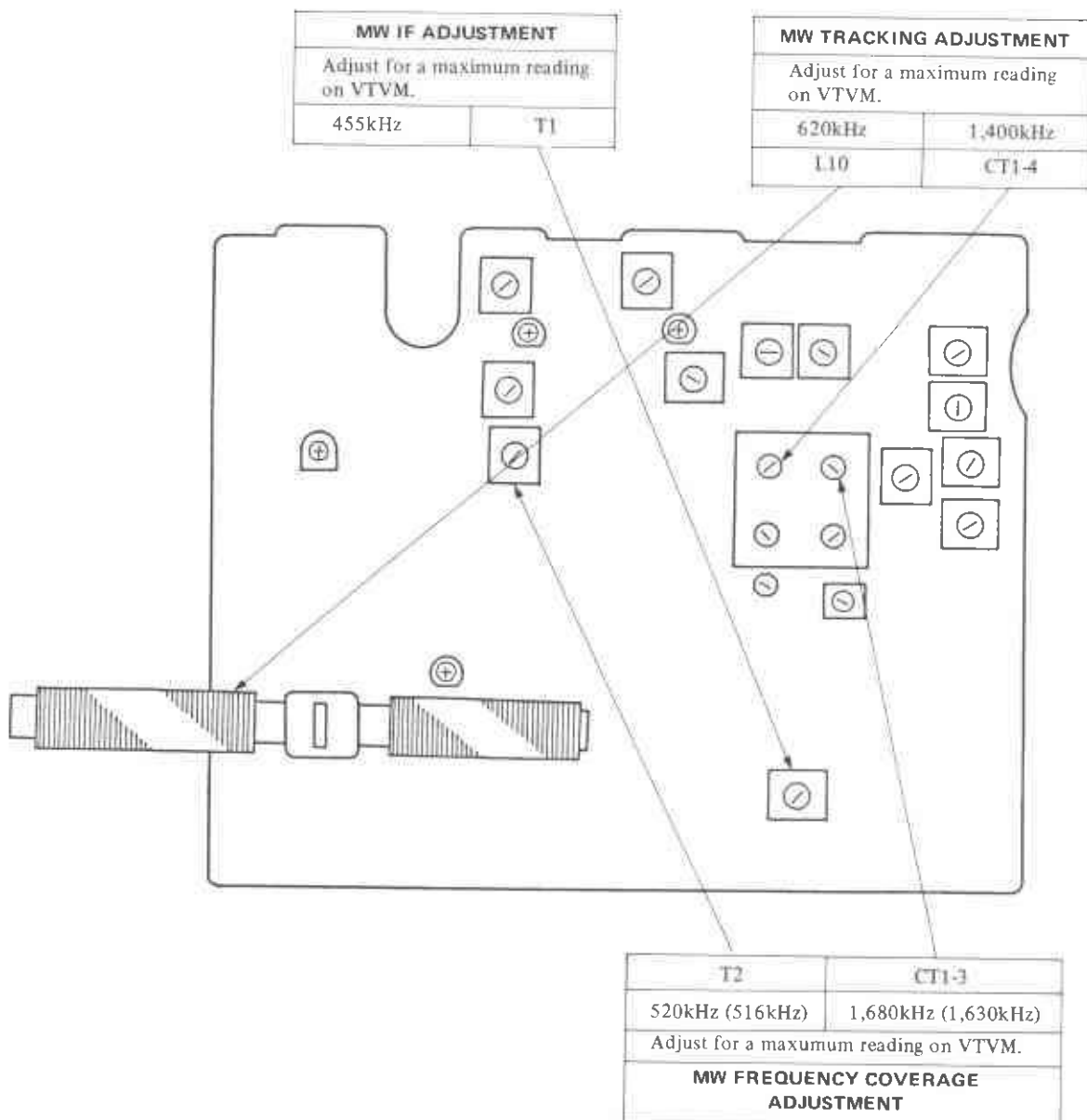
Put the lead-wire antenna close to the set.

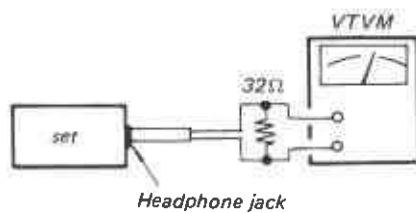
400Hz, 30%
AM modulation
Output level: as low as possible



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

(): Italian model



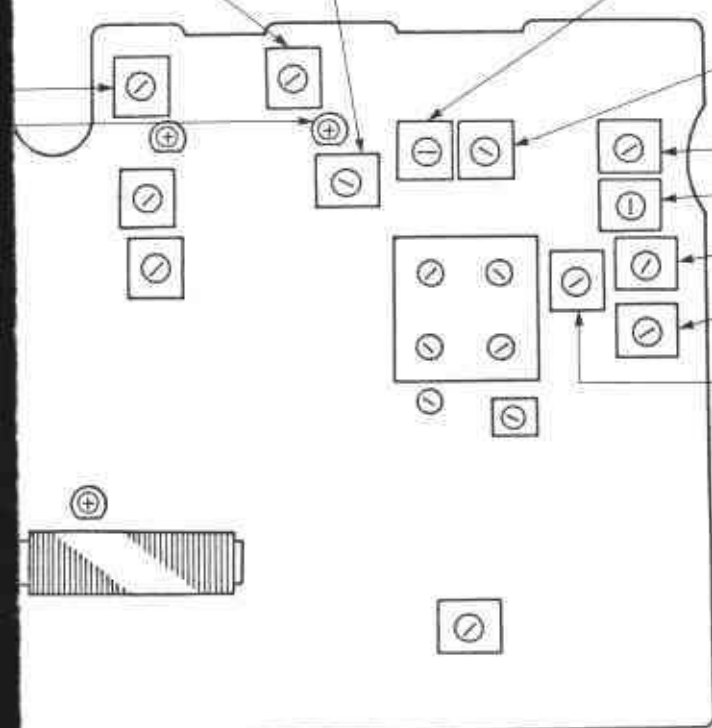


SW1 FREQUENCY COVERAGE ADJUSTMENT
Adjust for a maximum reading on VTVM.
T6

SW3 FREQUENCY COVERAGE ADJUSTMENT
Adjust for a maximum reading on VTVM.
T7
11.85MHz

SW4 FREQUENCY COVERAGE ADJUSTMENT
Adjust for a maximum reading on VTVM.
T8
15.3MHz

SW5 FREQUENCY COVERAGE ADJUSTMENT
Adjust for a maximum reading on VTVM.
T9
17.8MHz



TRACKING ADJUSTMENT
Adjust for a maximum reading on VTVM.
L9
17.8 MHz
SW5
L8
15.3 MHz
SW4
L7
11.85MHz
SW3
L6
9.7 MHz
SW2
L5
6.1 MHz
SW1

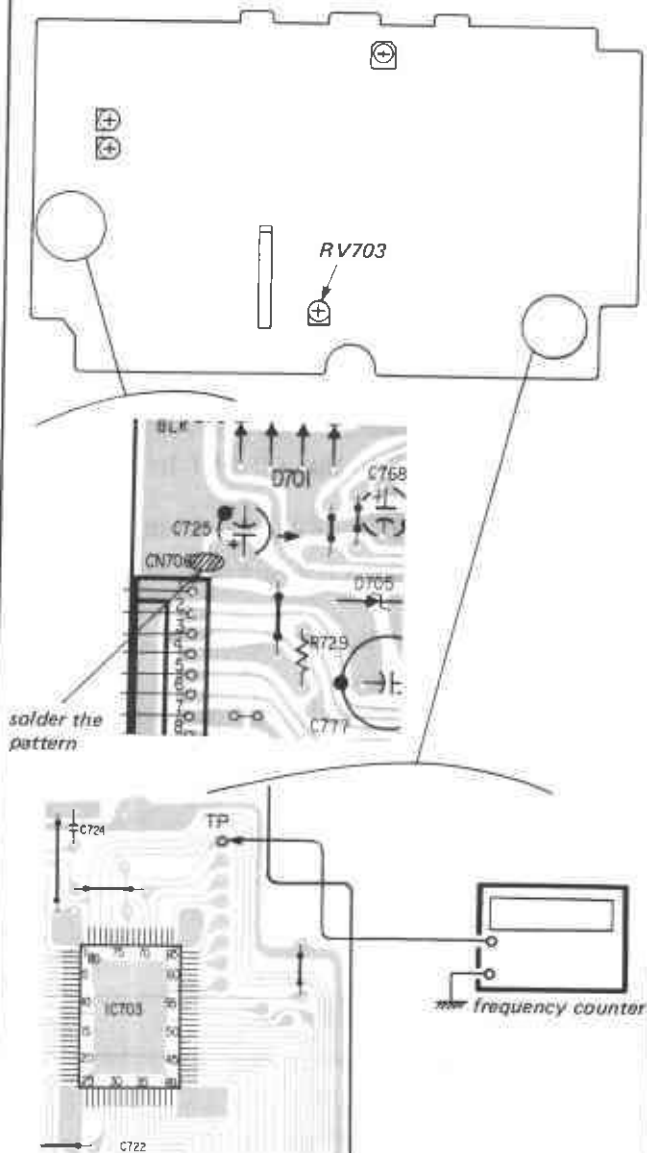
RF PLL Adjustment

Procedure:

Put the set into test mode.

1. Turn POWER switch ON. (stop mode)
2. Solder the pattern, then connect to GND.
3. Connect the frequency counter to main board test point TP PLCK, TP GND.
4. Adjust main board RV703 so that the reading on frequency counter is $4.375\text{MHz} \pm 30\text{k}$.
5. Unsolder the pattern bridge made in test mode.
6. Put disc (YEDS-1) in and press ► PLAY button.
7. Confirm that the reading on frequency counter is 4.375MHz .
8. After adjustment, unsolder the pattern bridge made in step 2.

Adjustment Location: CD main board

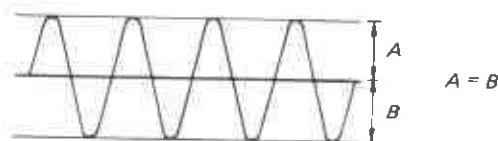


E-F Balance Adjustment

This adjustment should be made when replacing TOP (T-type Optical Pick-up).

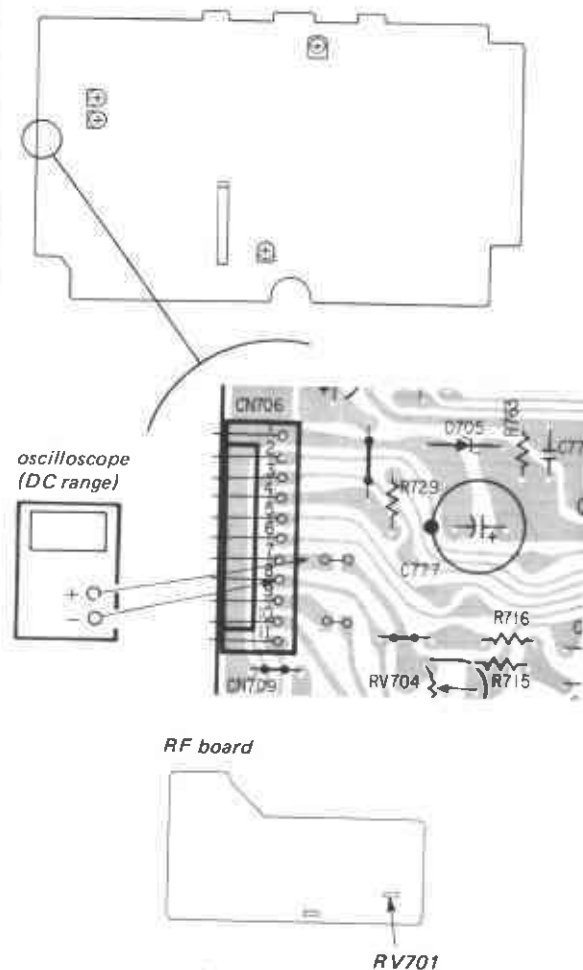
Procedure:

1. Connect oscilloscope to test point TE.
2. Put set into adjustment mode. (See page 4.)
3. Turn POWER switch on.
4. Put disc (YEDS-18) in and press ► button.
5. Adjust RV701 so that the traverse waveform is symmetrical above and below.
6. After adjustment, cancel the adjustment mode. (See page 4.)



VOLT/DIV: 1V
TIME/DIV: 1ms

Adjustment Location: CD main board



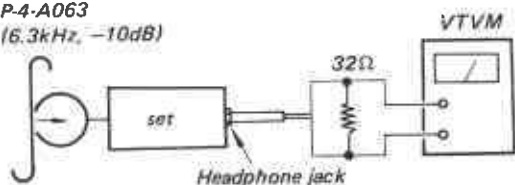
RF board

Record/Playback Head Azimuth Adjustment

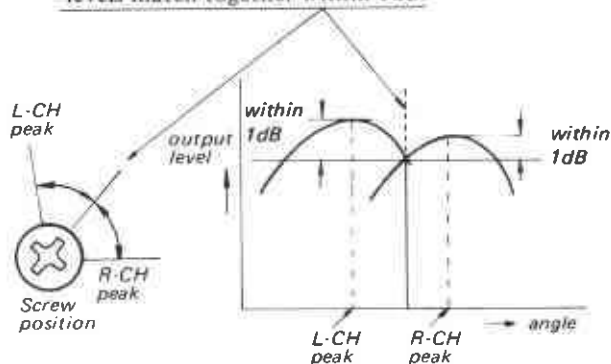
Procedure: Adjust both NOR and REV.

1. Mode: playback

test tape
P-4-A063
(6.3kHz, -10dB)

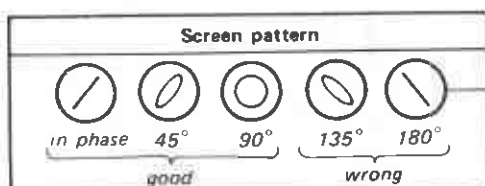
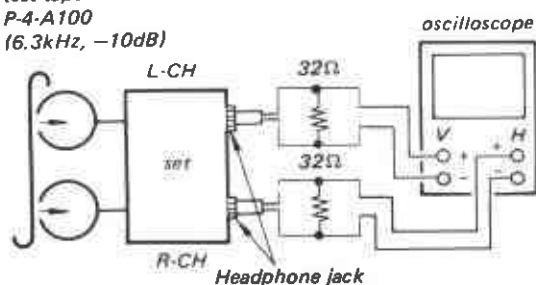


2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 1dB.

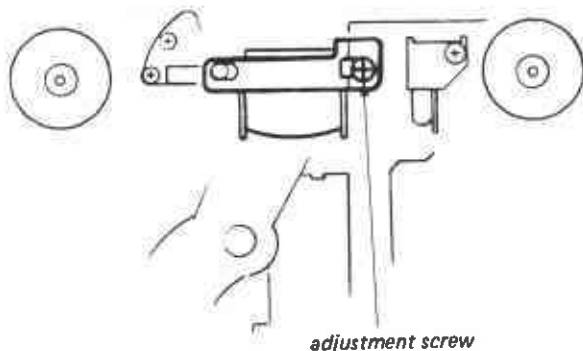


3. Phase Check
Mode: playback

test tape
P-4-A100
(6.3kHz, -10dB)



Adjustment Location:



CD

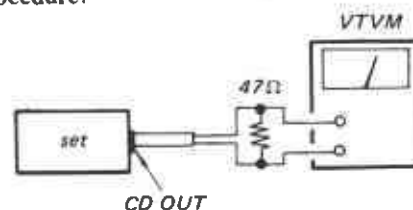
1. Perform adjustments in the order given.
2. Use YEDS-18; part no. 3-702-101-01.
3. Use the oscilloscope with more than 10MΩ impedance.
4. Perform adjustments in test mode.
(after adjustment, release the test mode.)

Test Mode Setting Method

1. Solder CD control board portion (A) and (B).
(See page 4.)
2. Turn POWER switch ON.
(This is to reset the micro-computer.)
After adjustment, unsolder the portion (A) and (B).

CD OUT Level Adjustment

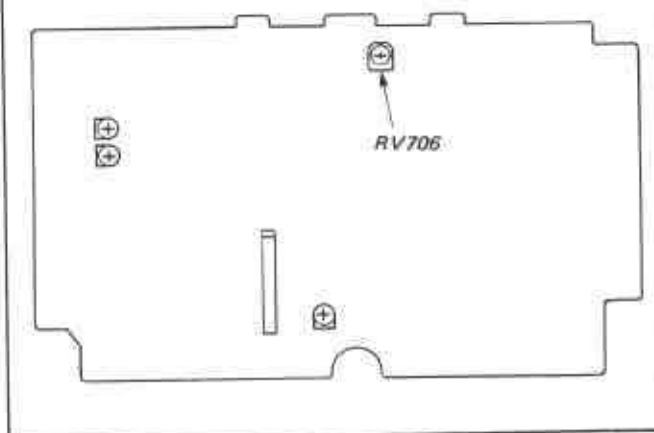
Procedure:

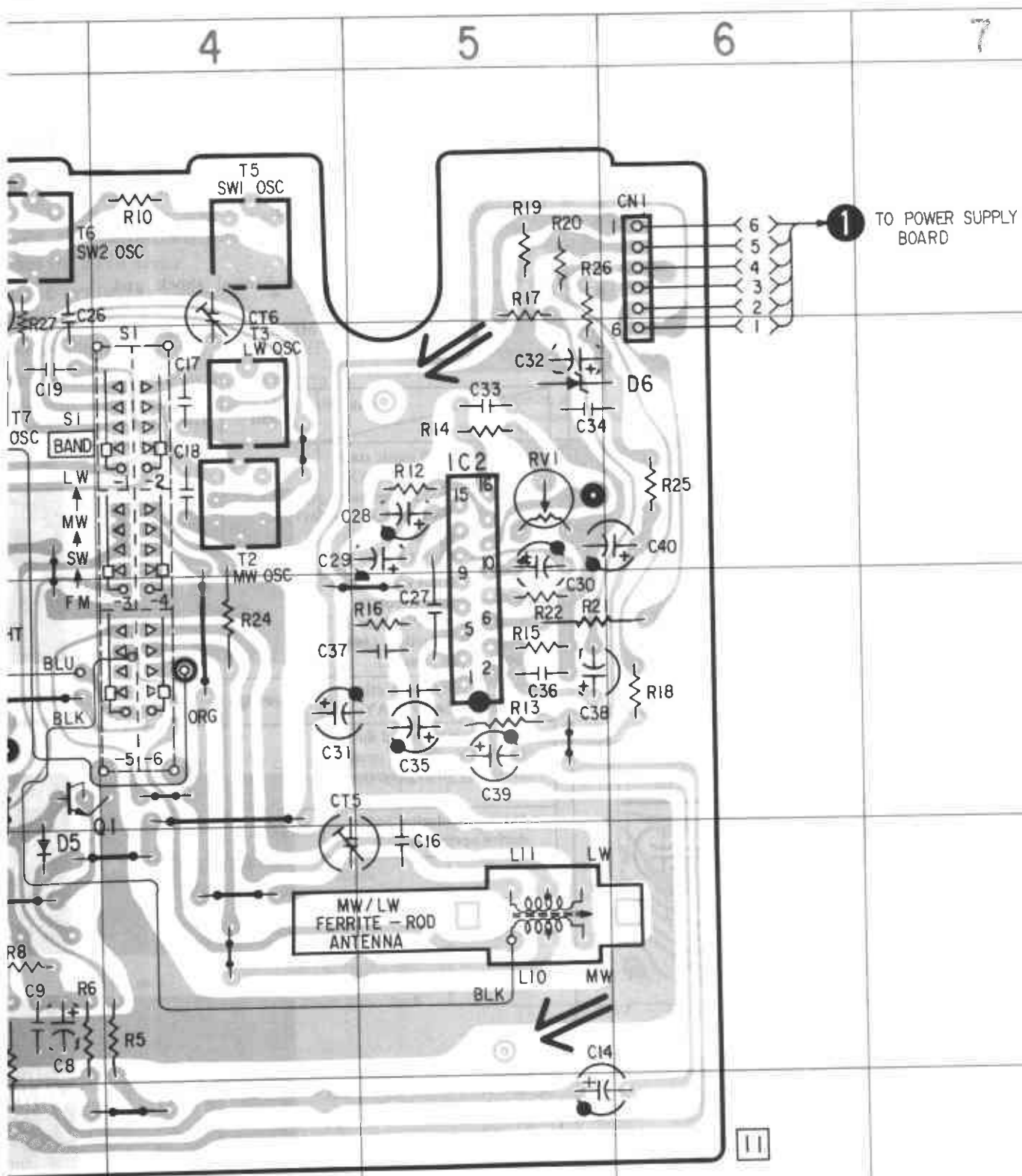


1. Select 1kHz, 0dB in YEDS-18, then put into ► mode.
2. Adjust RV706 so that CD OUT level is 5dB.

Specification: 1.3V – 1.46V (4.5 – 5.5dB)

Adjustment Location: CD main board



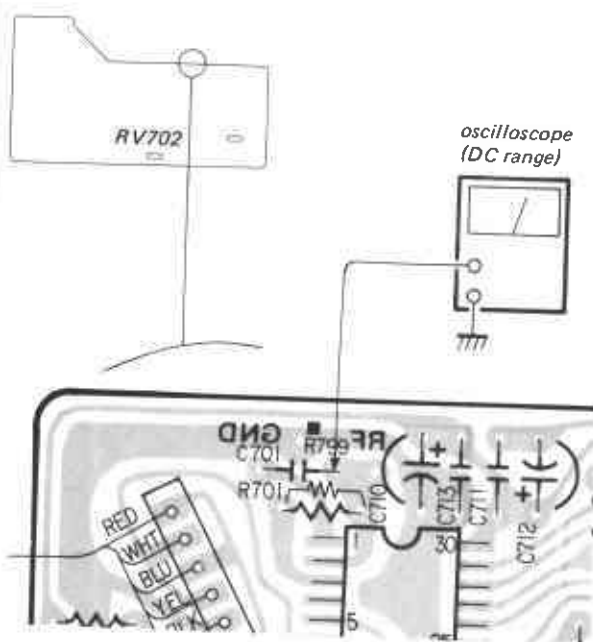


Focus Bias Adjustment

This adjustment should be made when replacing TOP (T-type Optical Pick-up).

Procedure:

1. Connect oscilloscope to test points RF and GND.
2. Turn POWER switch on.
3. Put disc (YEDS-18) in and press ►|| button.
4. Adjust RV702 for an optimum waveform eye pattern or so that the peak is maximum. Optimum eye pattern means that shape "◇" can be clearly distinguished at the center of the waveform.

**Adjustment Location: RF board****REFERENCE****Focus/Tracking Gain Adjustment**

A frequency response analyzer is necessary in order to perform this adjustment exactly.

However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.

Focus/tracking gain determines the pick-up followup (vertical and horizontal) relative to mechanical noise and mechanical shock when the 2-axis device operate. However, as these reciprocate, the adjustment is at the point where both are satisfied.

- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

Symptoms \ Gain	Focus	Tracking
• The time until music starts becomes longer for STOP → PLAY or automatic selection (◀▶ buttons pressed.) (Normally takes about 1 seconds.)	low	low or high
• Music does not start and disc continues to rotate for STOP → PLAY or automatic selection. (◀▶ buttons pressed.)	—	low
• Disc table opens shortly after STOP → PLAY.	low or high	—
• Sound is interrupted during PLAY. Or time counter display stops progressing.	—	low
• More noise during 2-axis device operation.	high	high

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Following is a simple adjustment method.

Adjustment —

If exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment. If the positions after the primary adjustment are only a little different, return the controls to the original position.

re:

Step the set horizontal.

If the set is not horizontal, this adjustment cannot be performed due to the gravity against the 2 axis device.

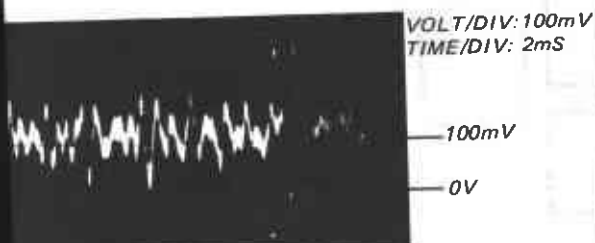
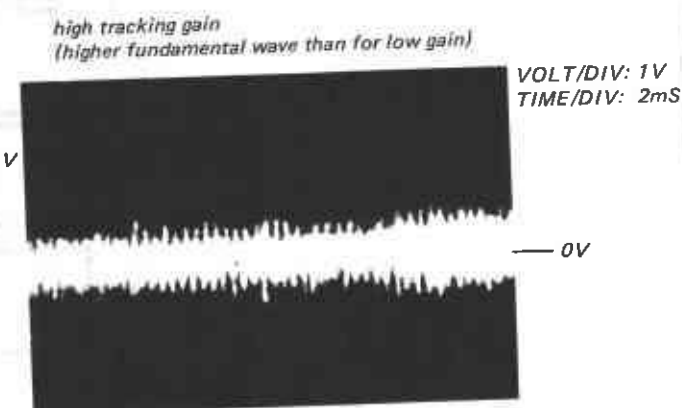
Insert disc (YEDS-18) and press ► PLAY button.

Connect oscilloscope to main board TP4 (FE).

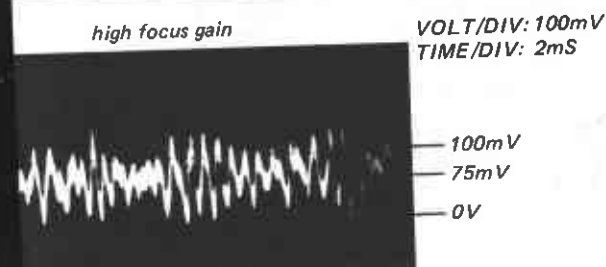
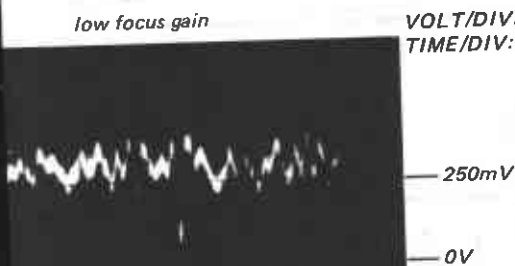
Adjustment RV705 so that the waveform is as shown in the figure below. (focus gain adjustment)



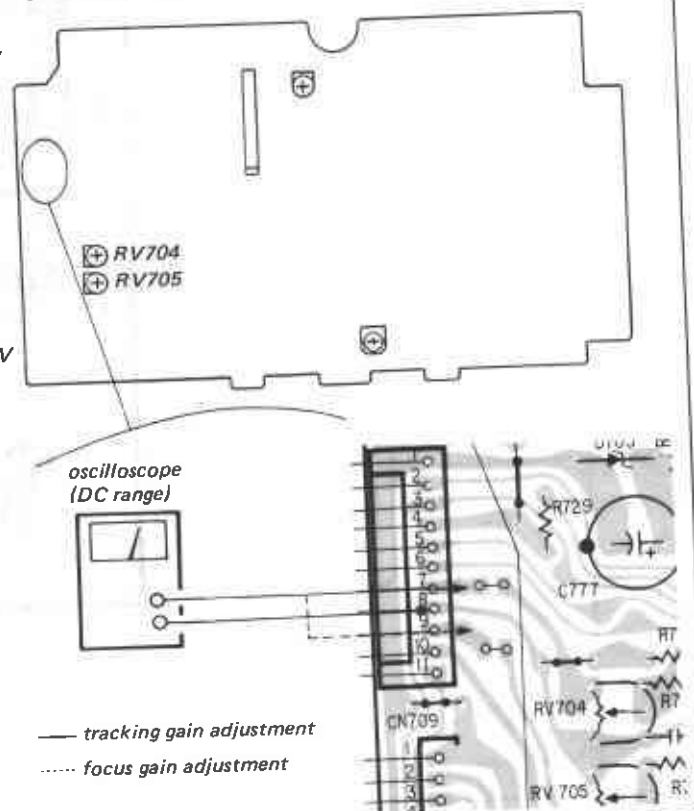
Incorrect Examples (fundamental wave appears)



Incorrect Examples (DC level changes more than expected waveform)

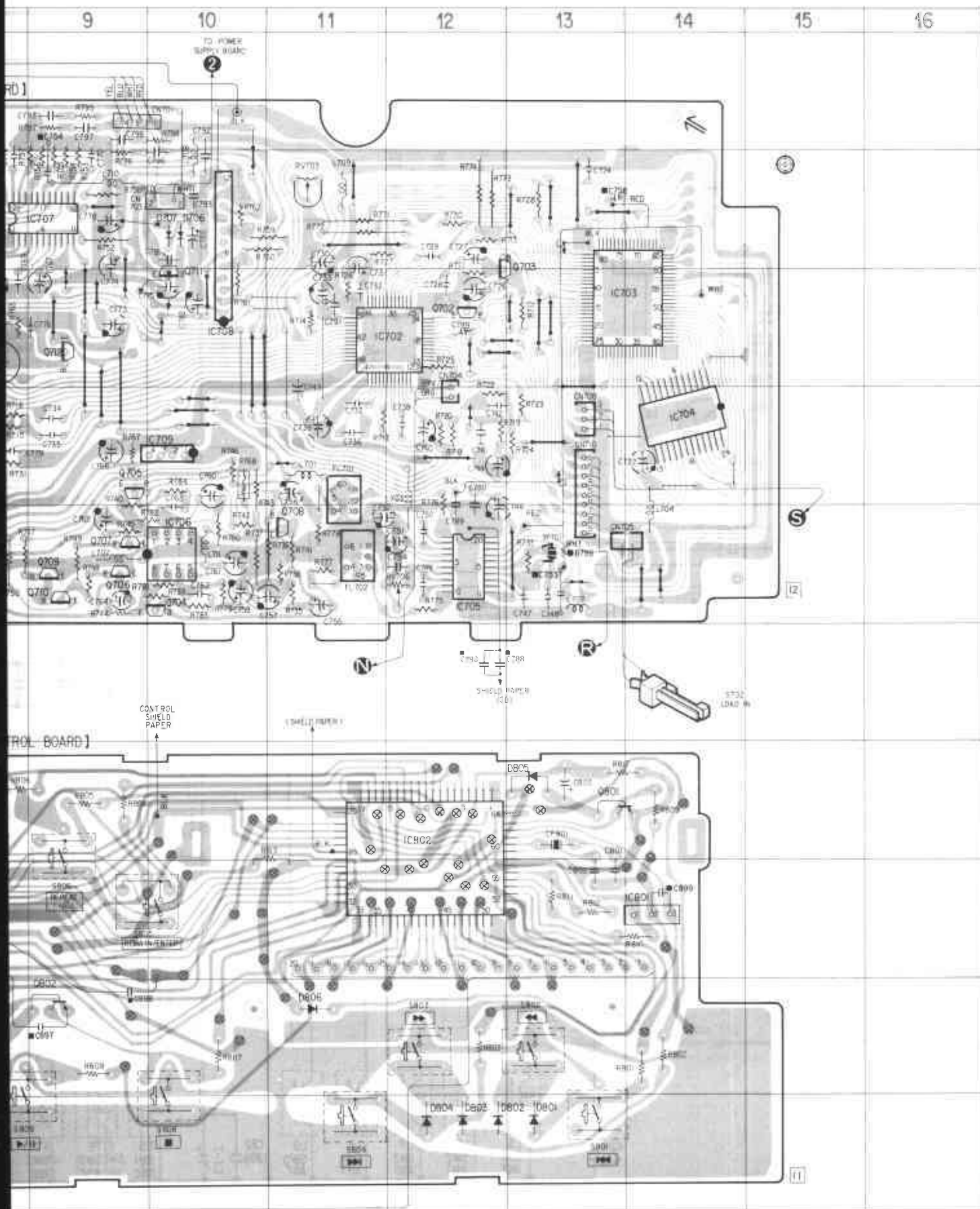


Adjustment Location: CD main board



Connect oscilloscope to main board TP5 (TE).

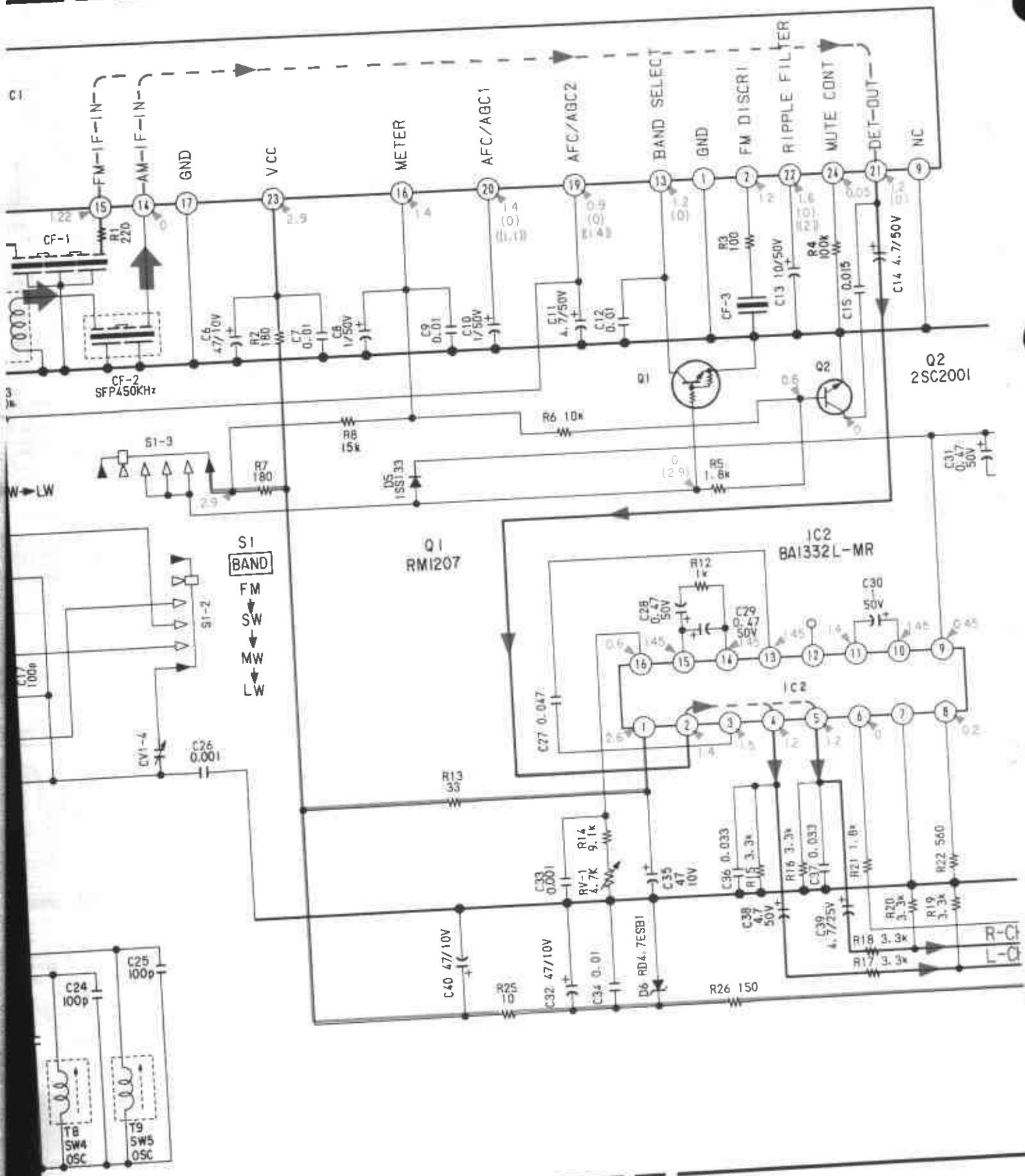
Adjust RV704 so that the waveform is as shown in the figure below. (tracking gain adjustment)

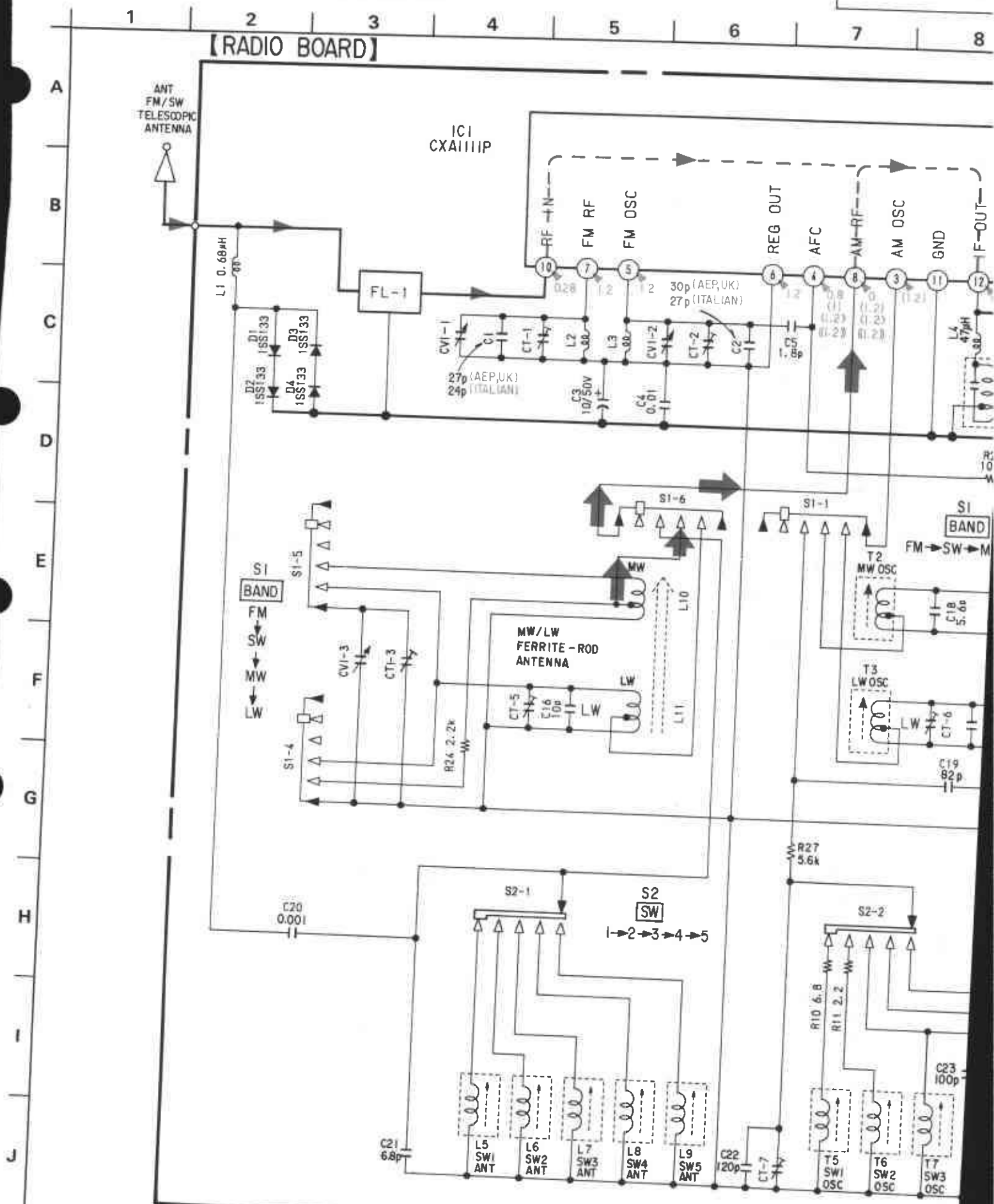







CFD-66L







9 10 11 12 13 14 15 16






Note:

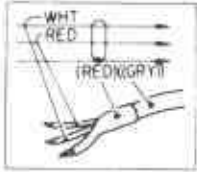
- All capacitors are in μF unless otherwise noted. pF , μF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
-  : CD signal path.
- (1%) : indicates tolerances.
-  : B+ bus.
-  : adjustment for repair.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions with a VOM (50k Ω /V).
- Switch





Ref. No	Switch	Position
S701	LIMIT	OFF
S702	LOADIN	OFF
S801		OFF
S802		OFF
S803		OFF
S804		OFF
S805	REMAIN/ENTER	OFF
S806	REPEAT 1/ALL	OFF
S807	SHUFFLE/RMS	OFF
S808		OFF
S809		OFF

Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note:

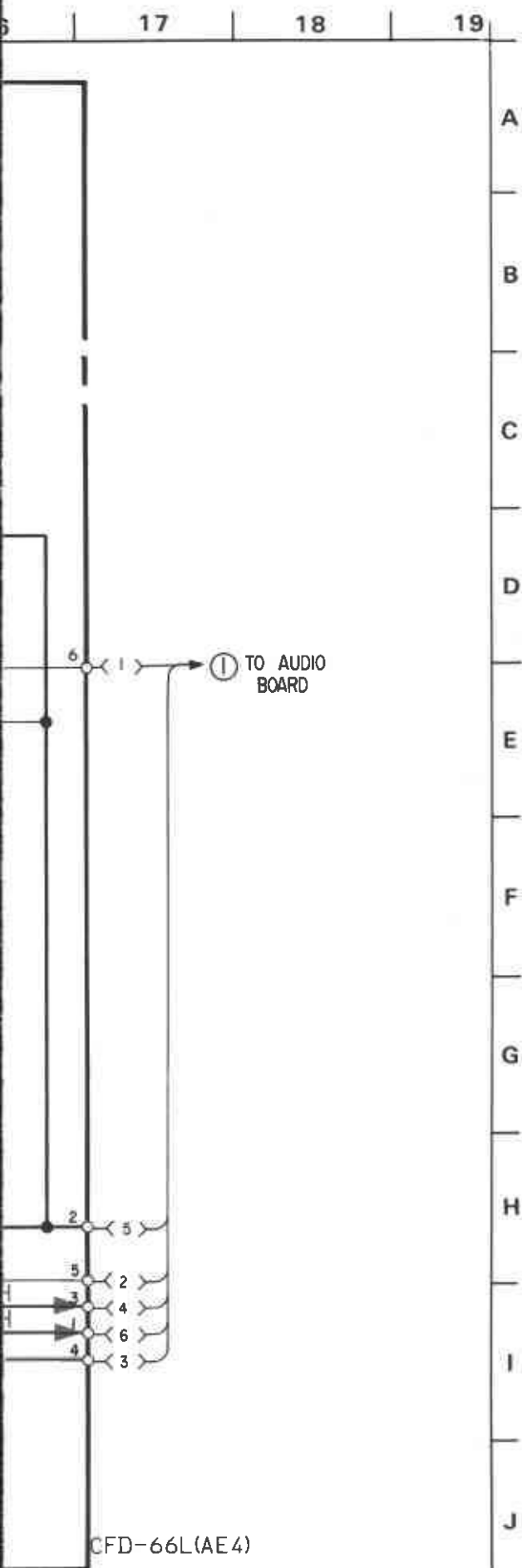
Color code of sleeving over the end of the jacket.



-  : parts extracted from the component side.
-  : parts extracted from the conductor side.
-  : part mounted on the conductor side.
-  : component-side pattern.

Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D701	B-8	Q701	D-2
D702	B-8	Q702	C-12
D703	B-8	Q703	B-12
D704	B-8	Q704	E-10
D705	C-8	Q705	D-9
D706	B-10	Q706	E-9
D707	B-10	Q707	E-9
D798	E-8	Q708	E-11
D799	E-8	Q709	E-9
D801	J-13	Q710	E-9
D802	J-12	Q711	C-10
D803	J-12	Q712	C-9
D804	J-12	Q801	G-13
D805	G-13	Q802	I-9
D806	I-11		
IC701	C-2		
IC702	C-12		
IC703	C-14		
IC704	D-14		
IC705	E-12		
IC706	E-10		
IC707	B-9		
IC708	B-10		
IC709	D-10		
IC801	H-14		
IC802	G-12		



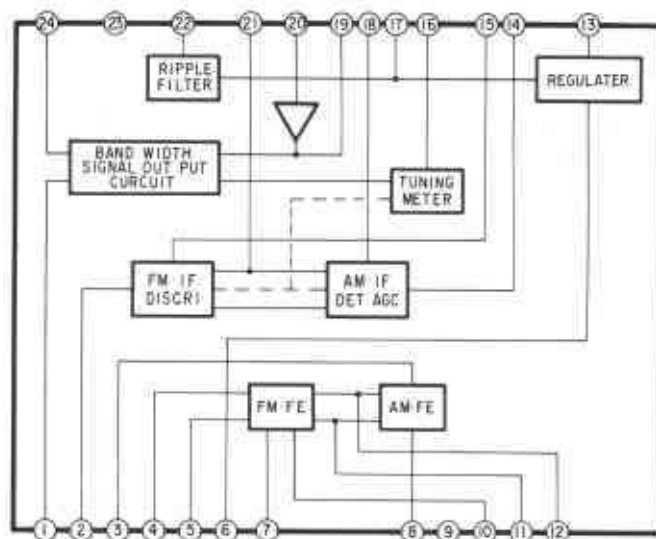
Note:

- All capacitors are in μF unless otherwise noted. pF : $\mu\mu\text{F}$
50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- \blacktriangleright : FM signal path.
- \triangle : internal component.
- Switch

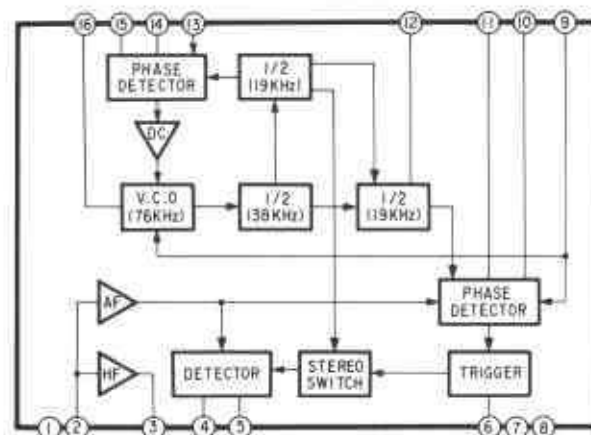
Ref. No.	Switch	Position
S1	BAND	FM
S2	SW	SW1

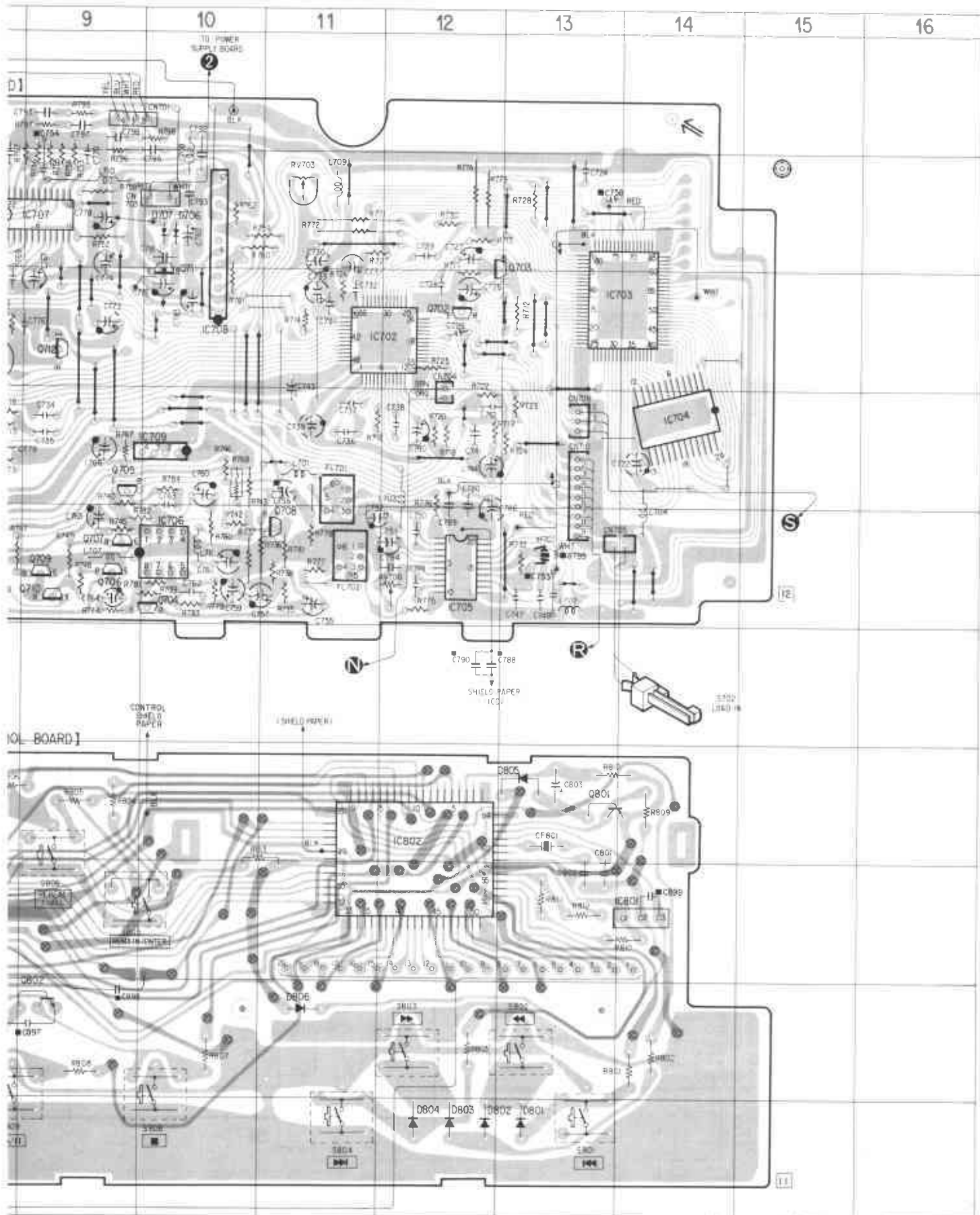
- — B+ bus.
- adjustment for repair.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under FM no-signal (detuned) conditions with a VOM (50k Ω /V)
no mark: FM
() MW
< > LW
(()): SW
- Voltage variations may be noted due to normal production tolerances

CXA1111P



BA1332L-MR





A

B

- C**



E

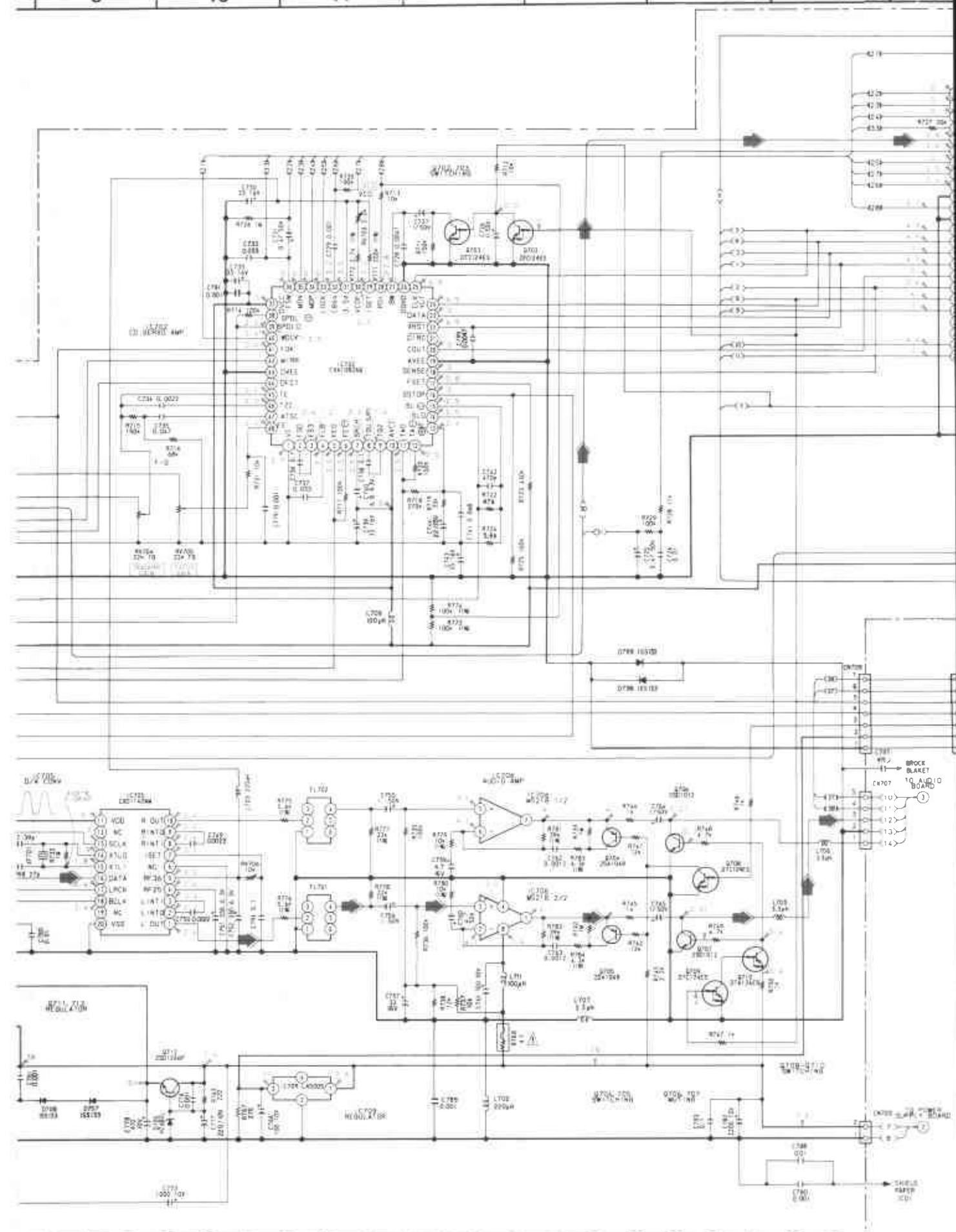
F

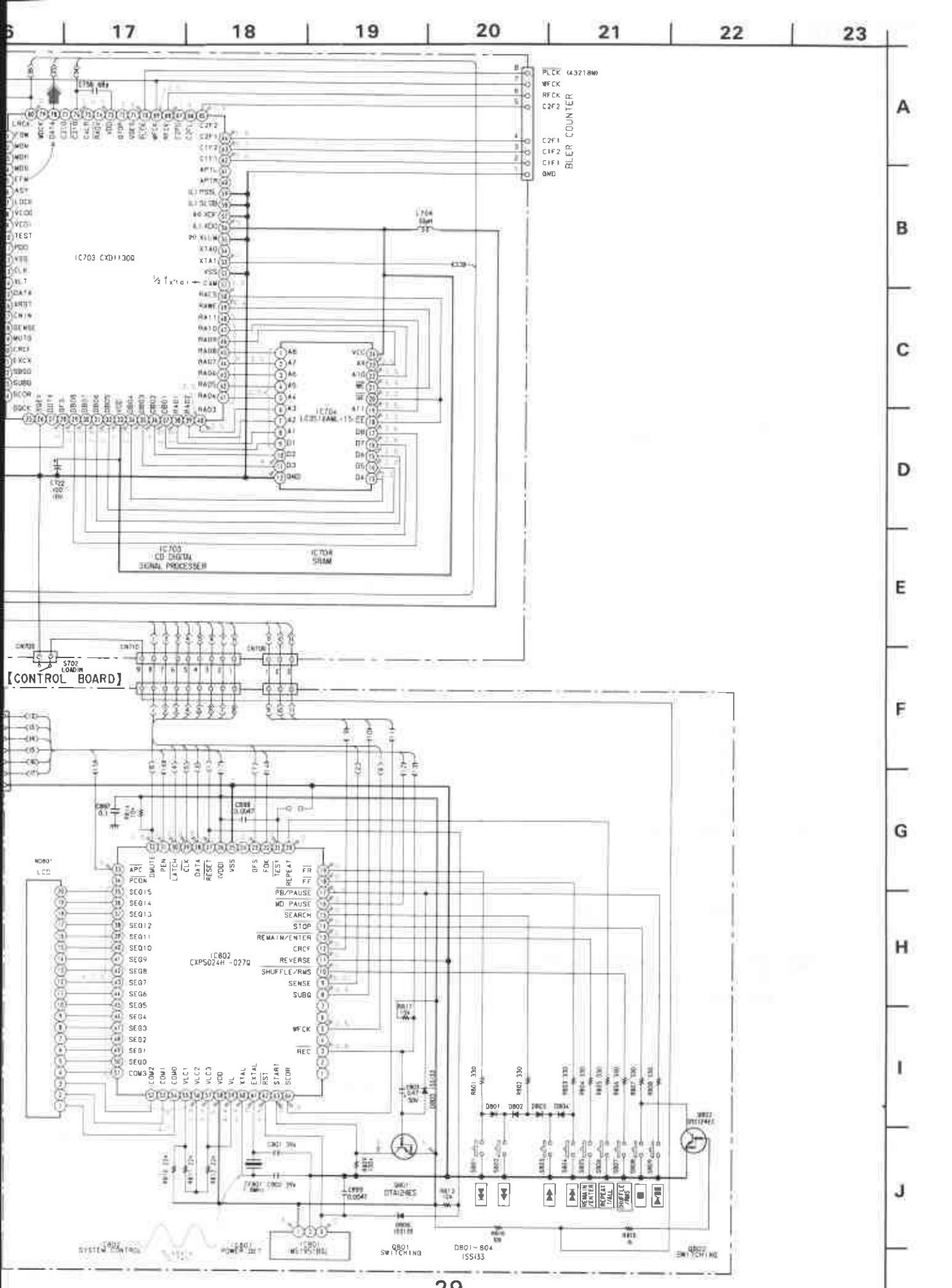
G

4

1

2





Notes:

- All capacitors are in μF unless otherwise noted. pF: μF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}W$ or less unless otherwise specified.
- \Rightarrow : CD signal path.
- (1%) : indicates tolerances.
- --- : B+ bus.
- \square : adjustment for repair.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions with a VOM (50k Ω /V).
- Switch

Ref. No	Switch	Position
S701	LIMIT	OFF
S702	LOADIN	OFF
S801	\ll	OFF
S802	\ll	OFF
S803	\gg	OFF
S804	\gg	OFF
S805	REMAIN/ENTER	OFF
S806	REPEAT 1/ALL	OFF
S807	SHUFFLE/RMS	OFF
S808	\blacksquare	OFF
S809	\blacktriangleright / \parallel	OFF

Note: The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Color code of sleeving over the end of the jacket.



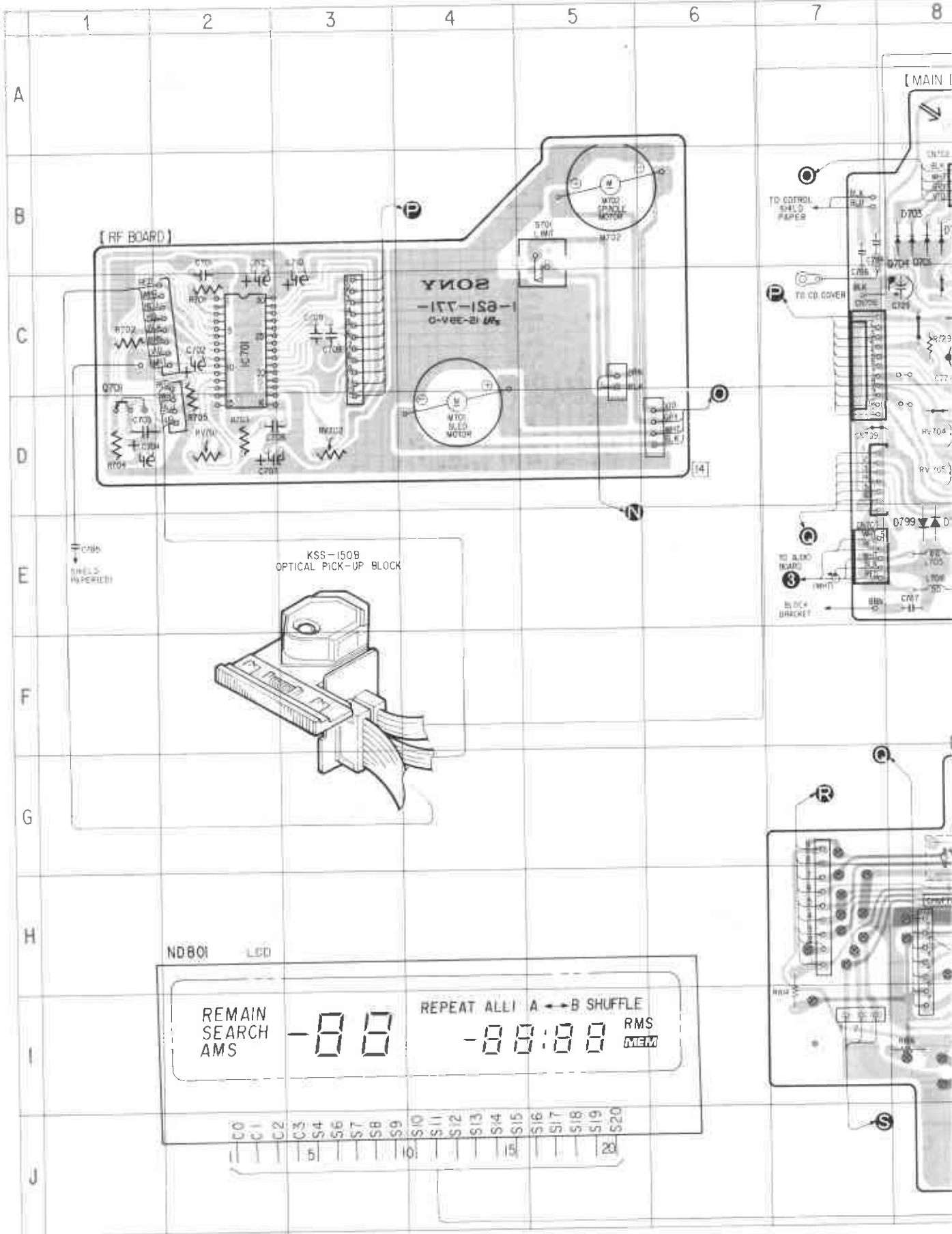
- \circ : parts extracted from the component side.
- \bullet : parts extracted from the conductor side.
- \blacksquare : part mounted on the conductor side.
- \square : component-side pattern.

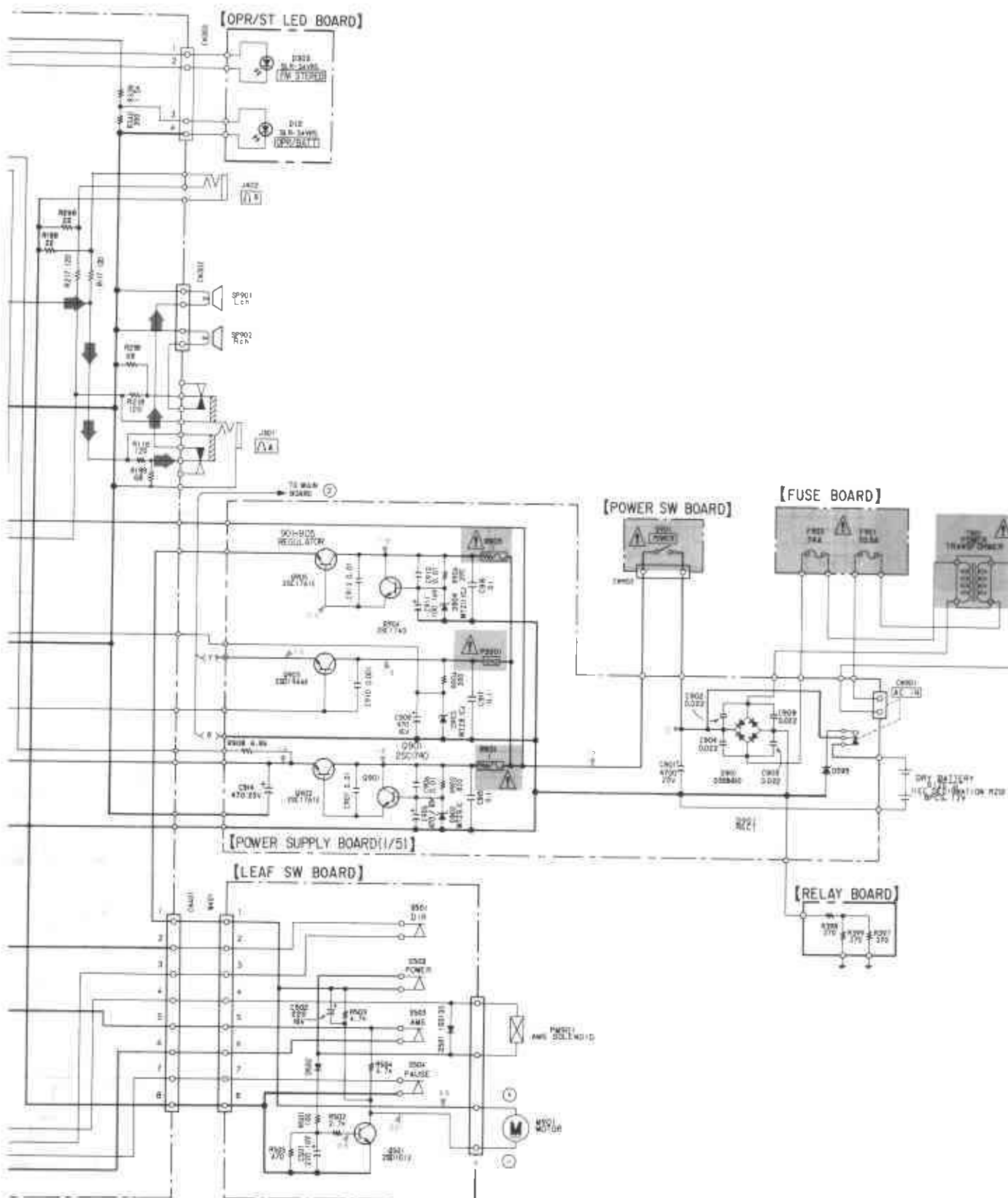
Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D701	B-8	Q701	D-2
D702	B-8	Q702	C-12
D703	B-8	Q703	B-12
D704	B-8	Q704	E-10
D705	C-8	Q705	D-9
D706	B-10	Q706	E-9
D707	B-10	Q707	E-9
D798	E-8	Q708	E-11
D799	E-8	Q709	E-9
D801	J-13	Q710	E-9
D802	J-12	Q711	C-10
D803	J-12	Q712	C-9
D804	J-12	Q801	G-13
D805	G-13	Q802	I-9
D806	I-11		
IC701	C-2		
IC702	C-12		
IC703	C-14		
IC704	D-14		
IC705	E-12		
IC706	E-10		
IC707	B-9		
IC708	B-10		
IC709	D-10		
IC801	H-14		
IC802	G-12		

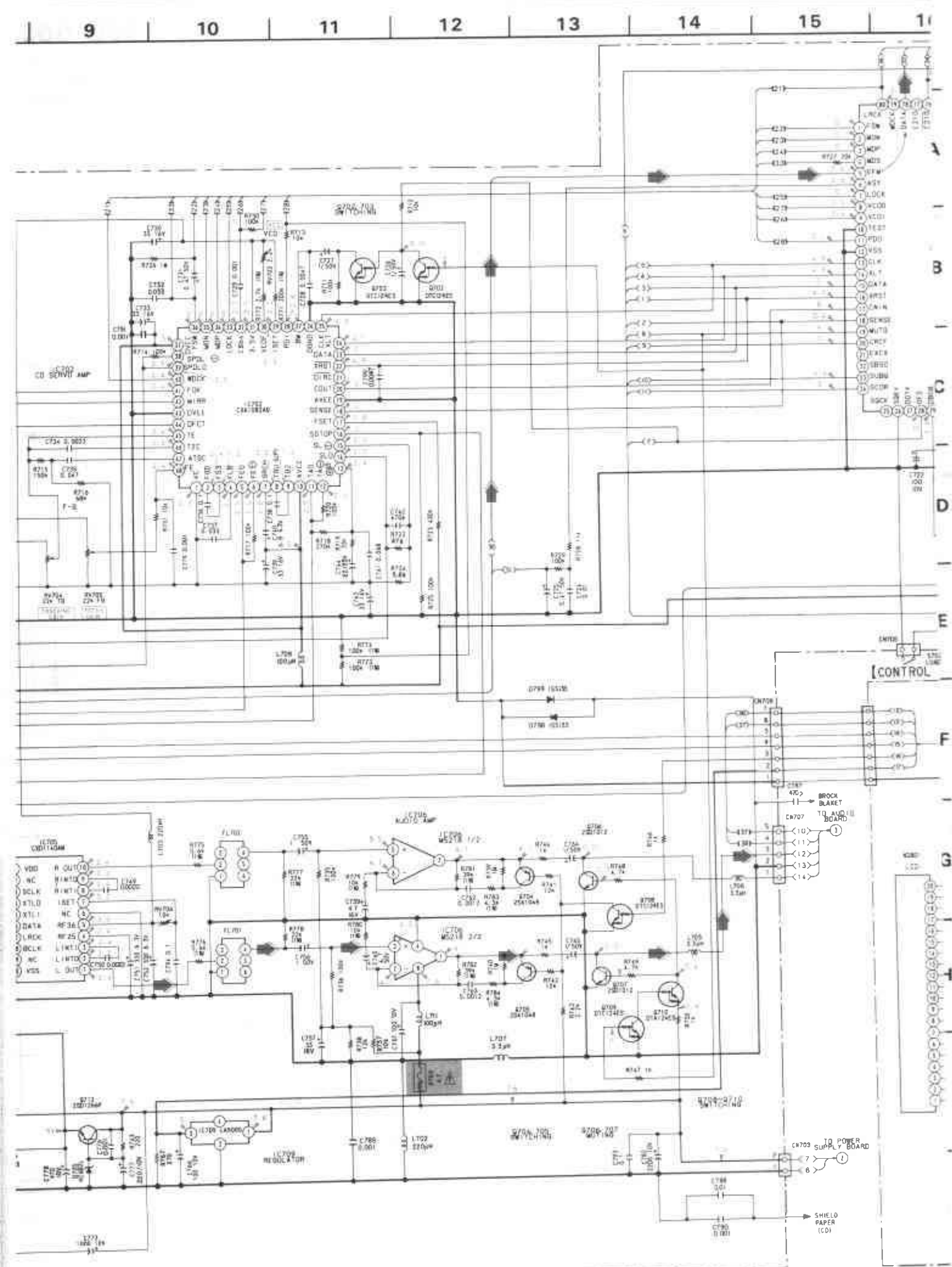
4-5. MOUNTING DIAGRAM – CD SECTION – Up to Serial No. 115,900

- Refer to page 44 for Semiconductor Lead Layouts.

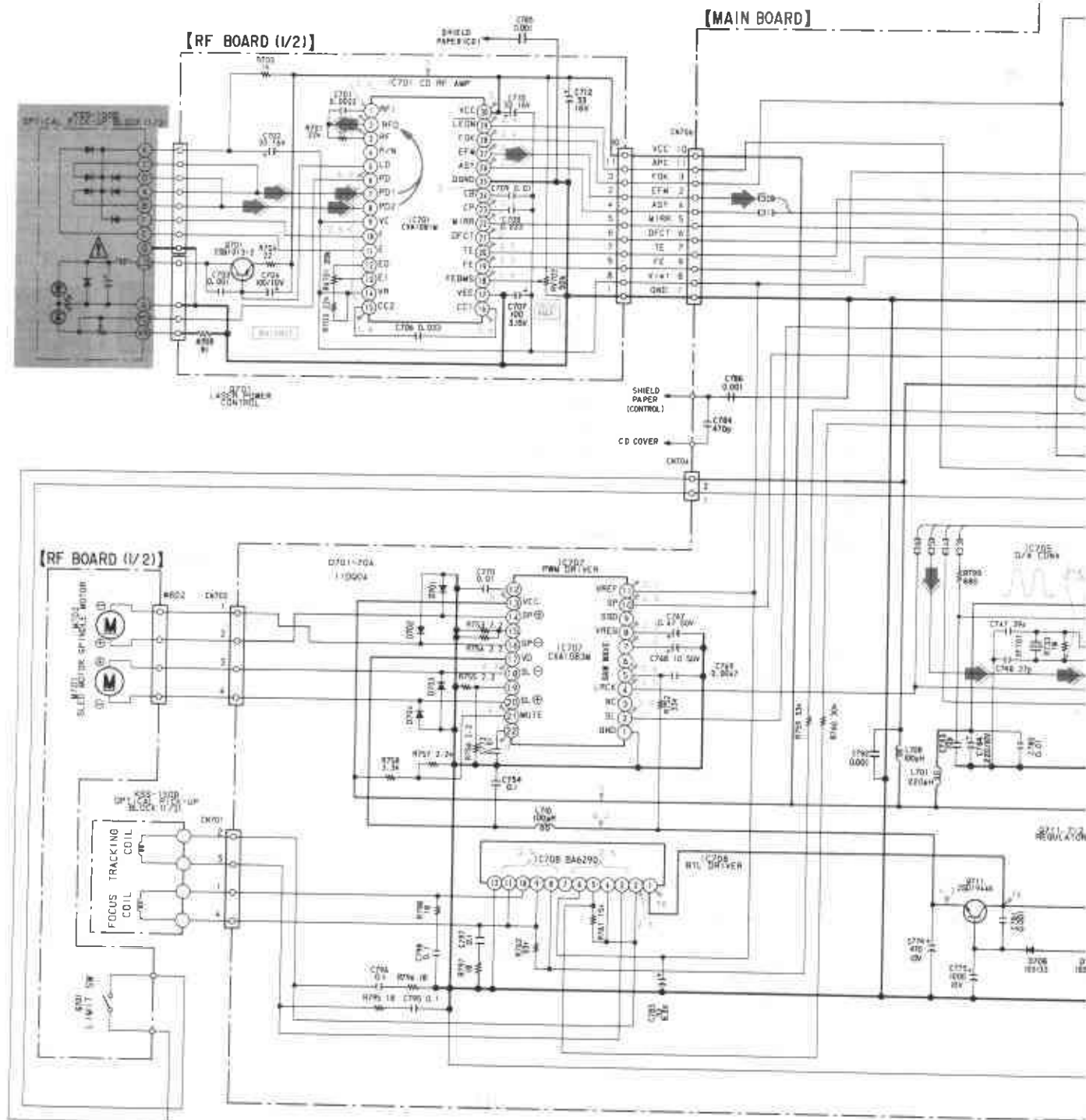






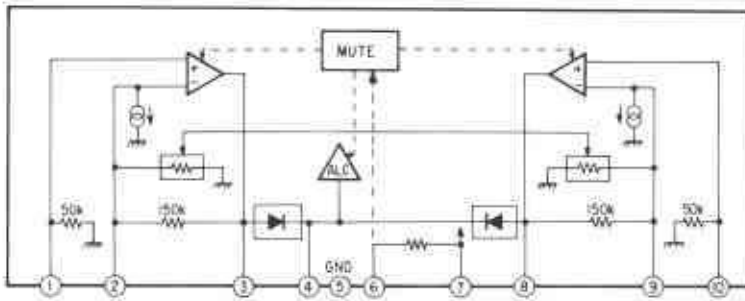


J

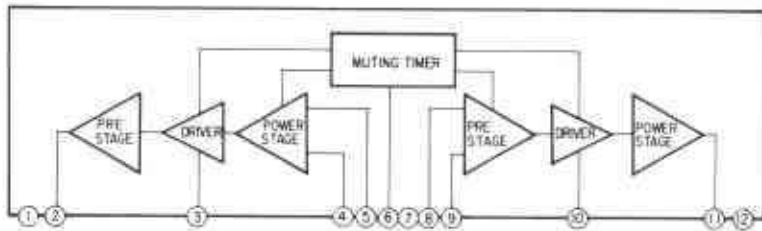




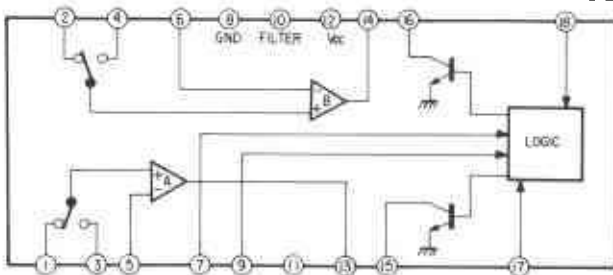
BA3312



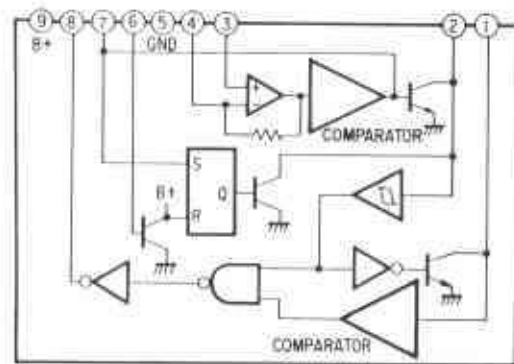
BA5406



BA3416BL



BA338



Note:

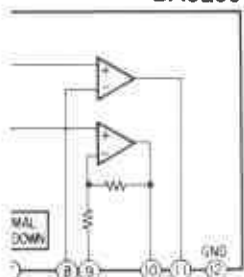
- All capacitors are in μF unless otherwise noted. pF : μF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- \Rightarrow : FM signal path.
- \Rightarrow : PB signal path.
- \Rightarrow : REC signal path.
- \Rightarrow : CD signal path.
- \Rightarrow : fusible resistor.
- \Rightarrow : B+ bus
- \Rightarrow : adjustment for repair
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under S702 ON (See page 4) conditions with a VOM (50k Ω /V).
- no mark : PB mode
- () : REC mode
- \Rightarrow : AMS mode
- Voltage variations may be noted due to normal production tolerances.

• Switch

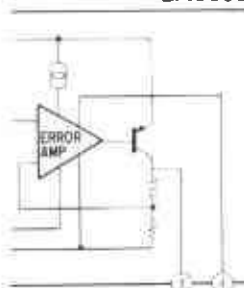
Ref. No.	Switch	Position
S301	REC/PB	PB
S302	FUNCTION	TAPE
S303	DIRECTION	FWD
S304	TAPE PB	NORMAL
S305	REC MUTE	OFF
S306	DIRECTION MODE	\Rightarrow
S401	ISS, ST/MONO	3, MONO
S501	DIR	OFF
S502	POWER	OFF
S503	AMS	OFF
S504	PAUSE	OFF
S901	POWER	OFF

Note: The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

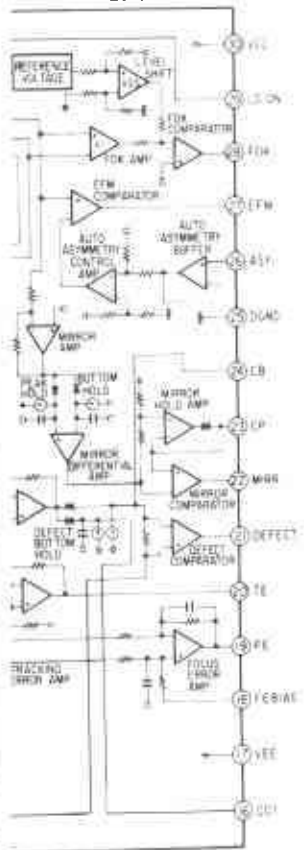
BA6290



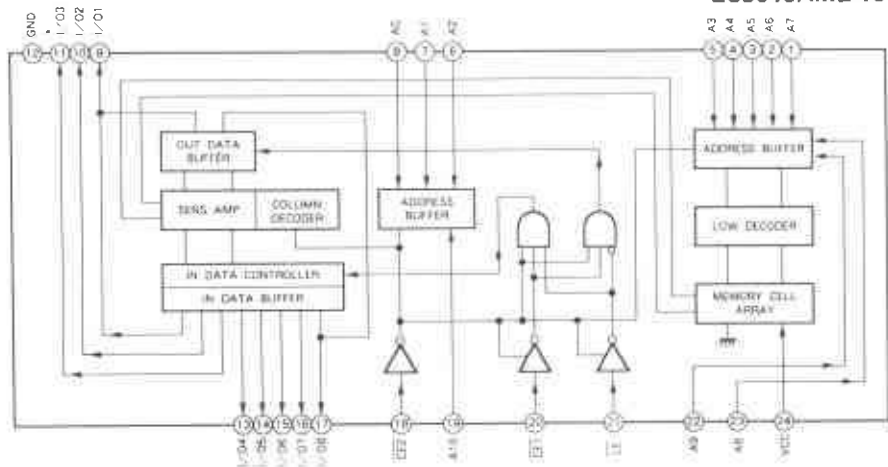
LA5005



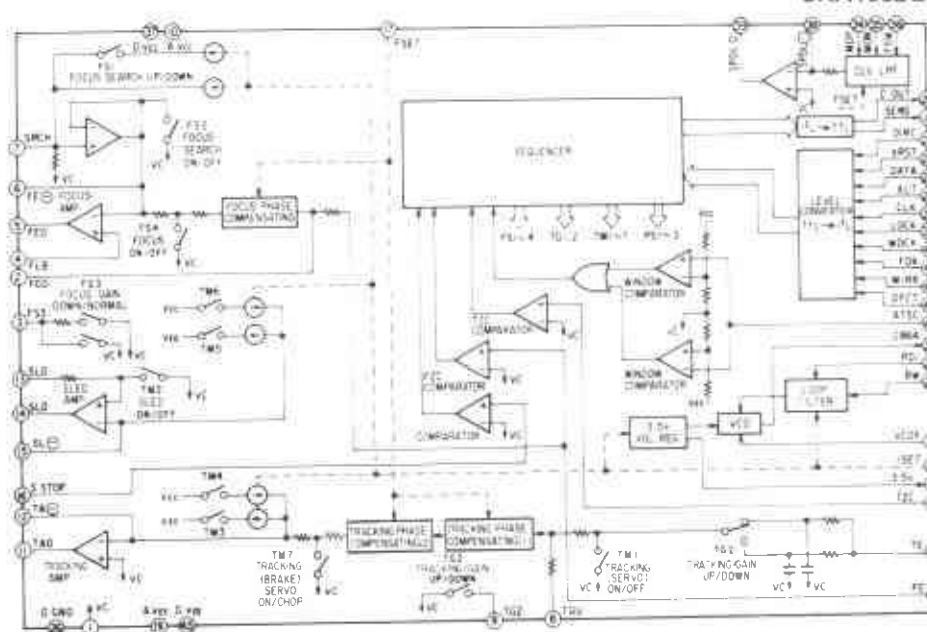
CXA1081M



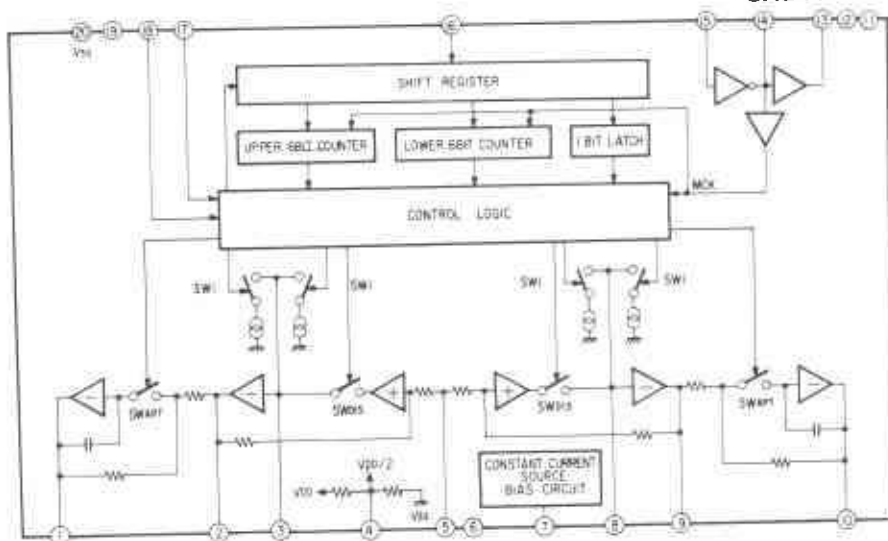
LC3516AML-15

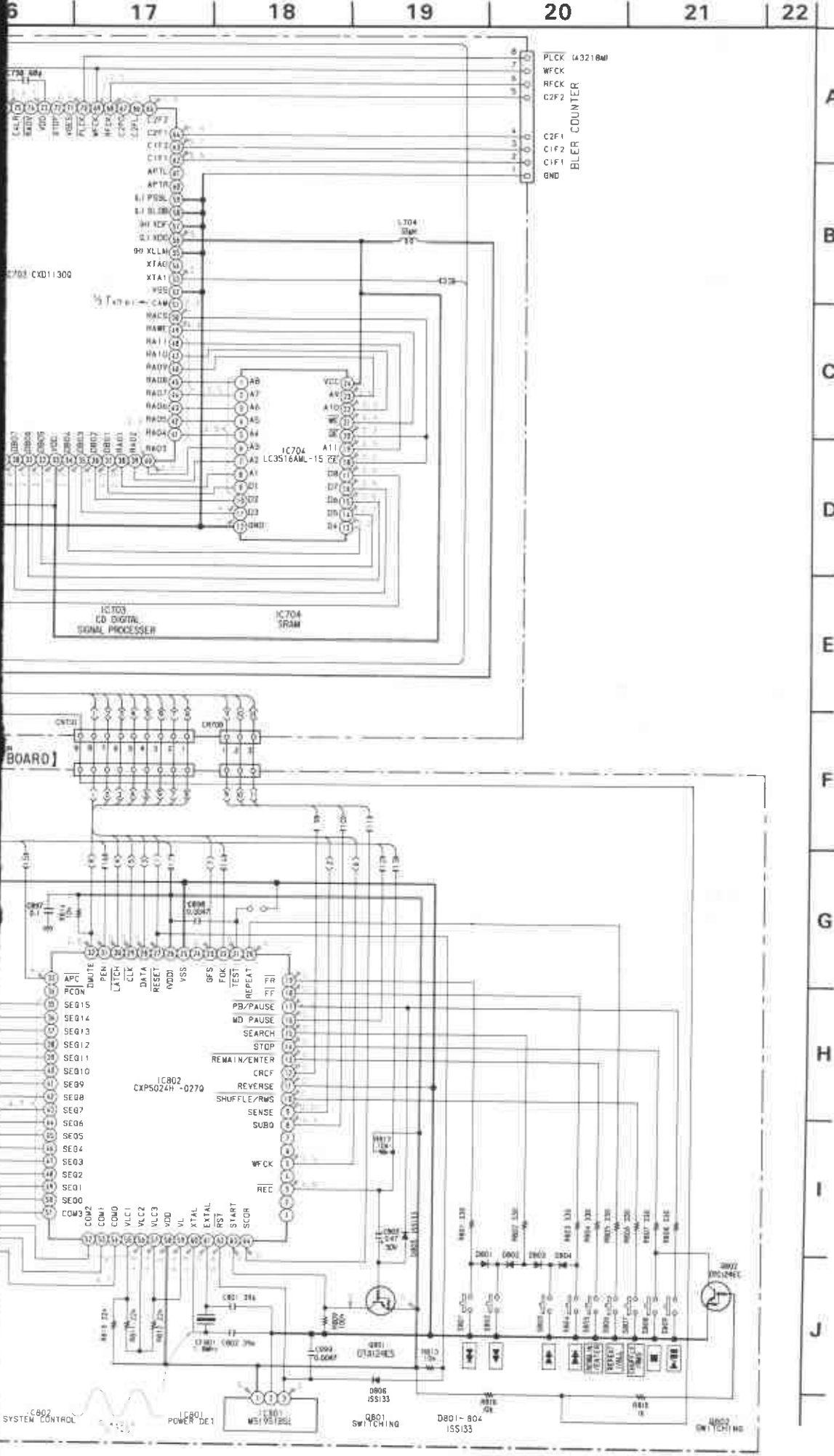


CXA1082Q



CXD1140AM





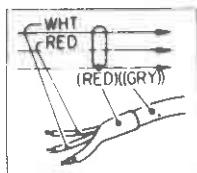
A
B
C
D
E
F
G
H
I
J

PLCK (43218m)
WFCK
RFCK
C2F2
BLER COUNTER
C2F1
C1F2
C1F1
GND



Note:

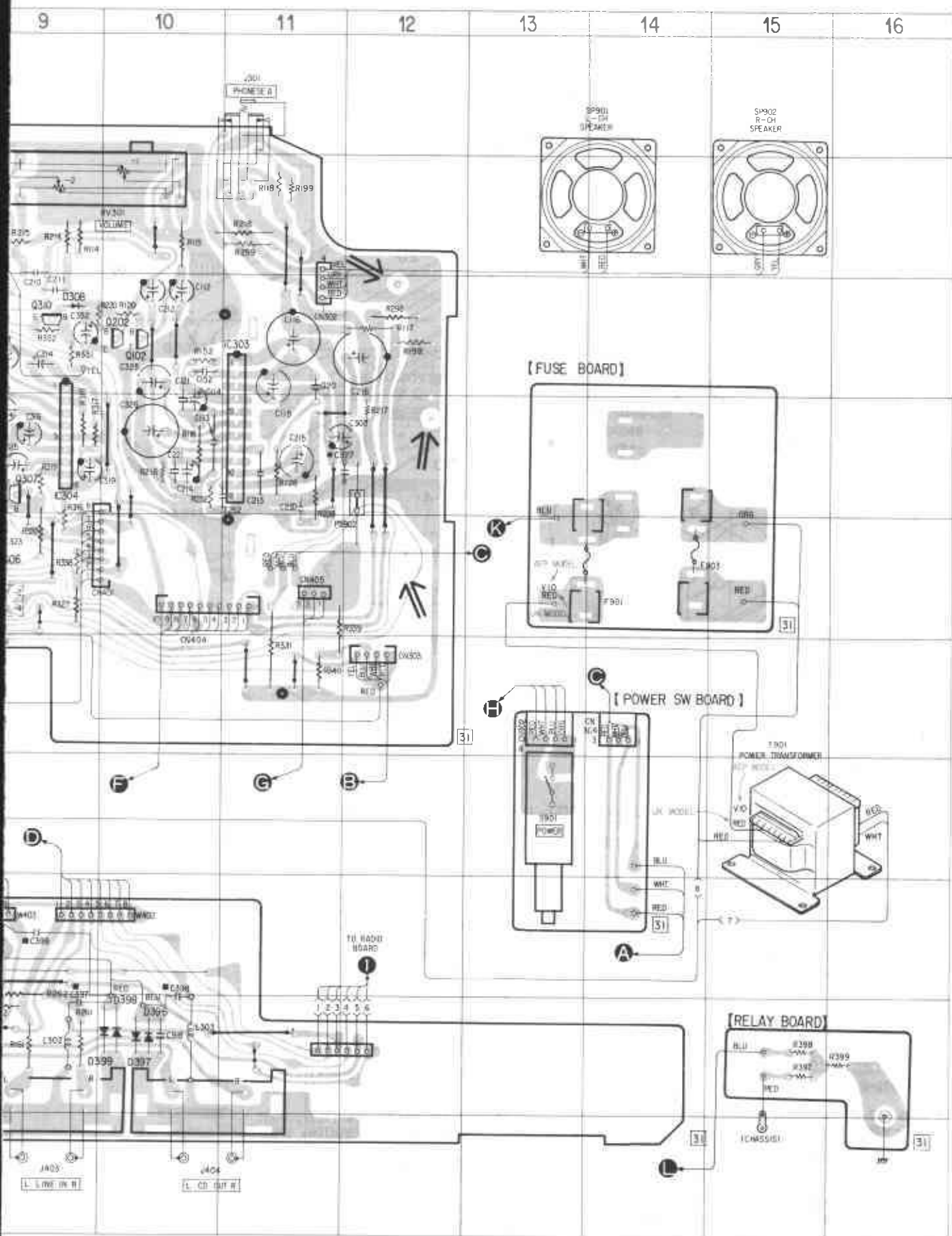
Color code of sleeving over the end of the jacket.



- : parts extracted from the component side
- : parts extracted from the conductor side.
- : part mounted on the conductor side.

● **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D12	G-2	Q101	B-4
D301	C-8	Q102	C-10
D302	B-7	Q201	B-5
D303	G-2	Q202	C-10
D304	F-5	Q301	C-6
D305	F-5	Q302	D-8
D306	C-8	Q303	C-8
D307	C-8	Q304	D-8
D308	C-9	Q305	D-8
D309	C-9	Q306	E-9
D395	H-2	Q307	D-9
D396	I-10	Q308	D-4
D397	I-10	Q309	B-4
D398	I-10	Q310	C-9
D399	I-10	Q401	I-7
D501	C-1	Q402	I-7
D502	B-2	Q501	C-2
D901	H-3	Q901	I-5
D902	I-5	Q902	I-6
D903	H-7	Q903	H-7
D904	H-6	Q904	H-6
		Q905	H-7
IC301	E-6		
IC302	C-6		
IC303	D-11		
IC304	D-9		

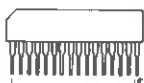


• Semiconductor Lead Layouts

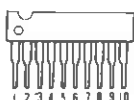
BA338



BA-1332L-MR



BA3312N



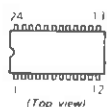
BA3416BL



BA5406
BA6290



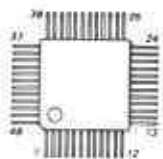
CXA1111P



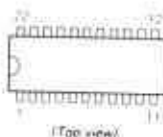
CXA1081M



CXA1082AQ



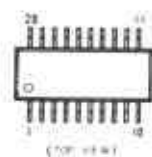
CXA1083M



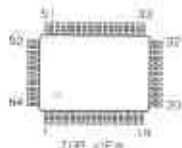
CXD1130Q



CXD1140AM



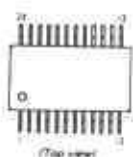
CXP5024H-027Q



LA5005



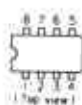
LC3516AML-15



M5195BSL



M5218P



DTA124ES
DTC124ES
2SA1048-GR
2SC4048
2SD1012
2SD1012-F2



2SB1013
2SD1468
2SC1047SR



2SD774



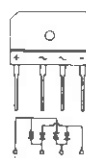
2SD1266-P



2SD1761-E
2SD1944-K



D3SBA20



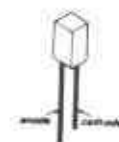
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11DQ04



RD11ES-B3
RD4.7ES-B2
RD8.2ES-B3
RD9.1ES-B3
1SS133



SLB-55VR5




SLR-34VR5



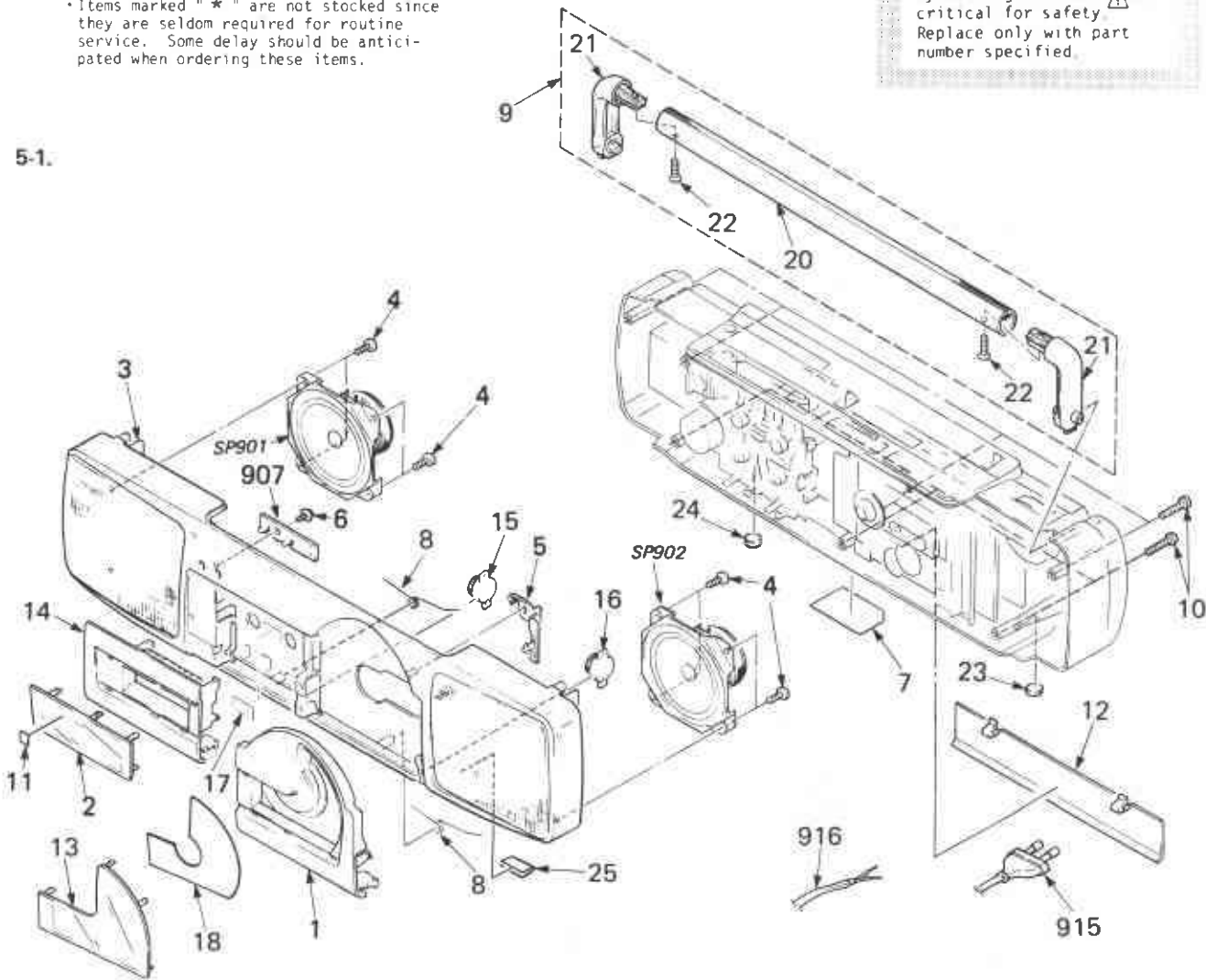
SECTION 5
EXPLODED VIEWS AND PARTS LIST



NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

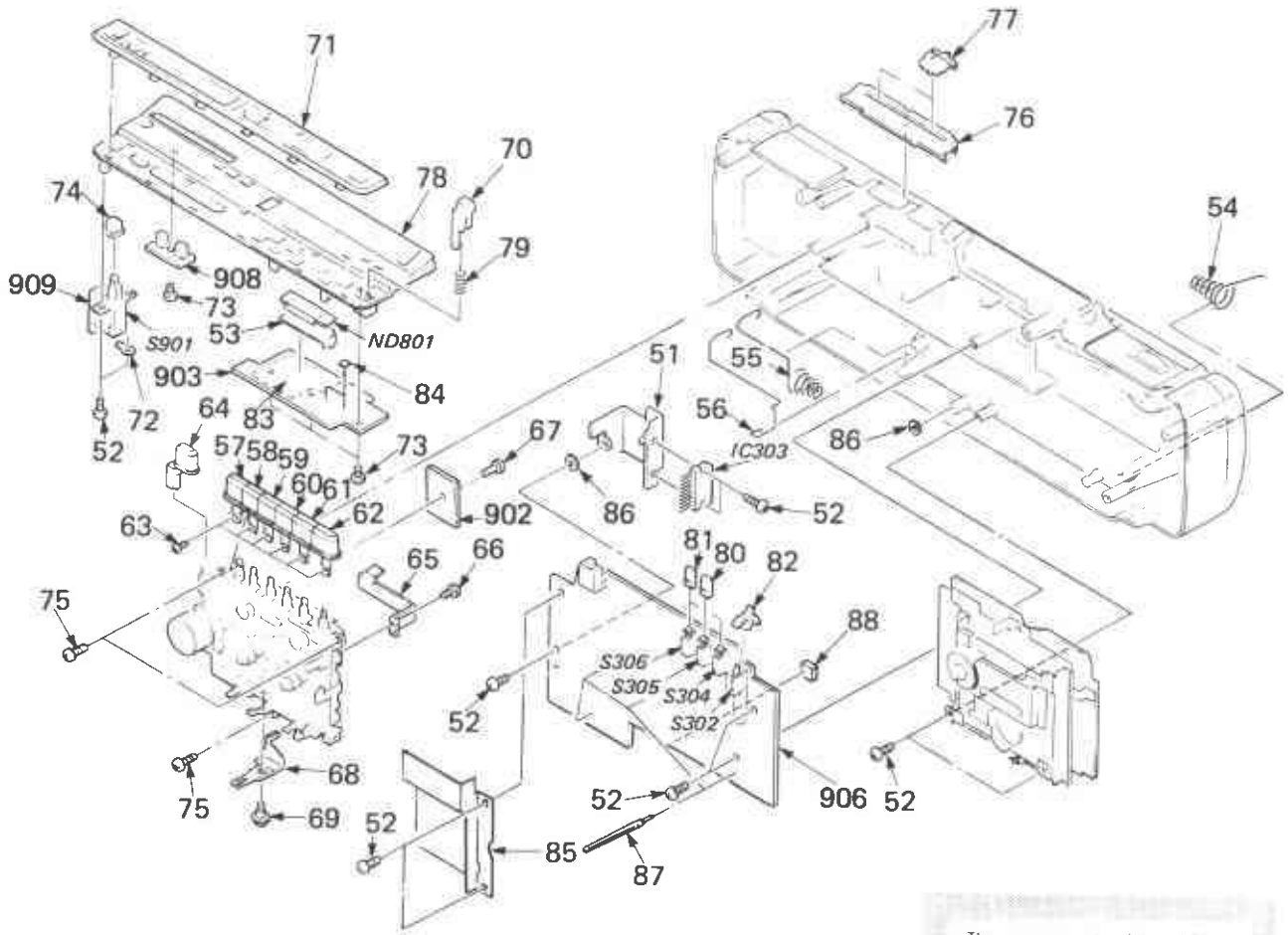
The components identified by shading and mark  are critical for safety. Replace only with part number specified.


5-1.



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	X-4919-914-1 X-4919-914-2	(BLACK)...HOLDER ASSY, CD (WHITE)...HOLDER ASSY, CD		14	X-4919-924-1 X-4919-924-2	(BLACK)...HOLDER ASSY, CASSETTE (WHITE)...HOLDER ASSY, CASSETTE	
2	4-919-914-01	WINDOW, CASSETTE		15	3-319-224-31	DAMPER, SMALL	
3	X-4919-919-1 X-4919-920-1	(BLACK)...CABINET (FRONT) ASSY (WHITE)...CABINET (FRONT) ASSY		16	3-319-224-11	DAMPER, SMALL	
4	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3		17	3-578-101-00	PLATE, ORNAMENTAL	
5	*4-919-904-01	SLIDER, EJECT		18	4-919-989-01	COVER, DISK	
6	3-669-480-21	+ PTPWH 2		20	*4-919-925-01 *4-919-925-11	(BLACK)...HANDLE (WHITE)...HANDLE	
7	*4-919-999-01 *4-921-105-01 *4-921-119-01 *4-919-121-00	LABEL, MODEL NUMBER (AE1) LEBEL, MODEL NUMBER (AE2) (UK).....LABEL, MODEL NUMBER (ITALIAN).LEBEL, MODEL NUMBER		21	*4-919-926-01 *4-919-926-11	(BLACK)...PLATE, SIDE, HANDLE (WHITE)...PLATE, SIDE, HANDLE	
8	4-919-971-01	SPRING		22	7-685-349-14	SCREW +RKTP 3X14 TYPE2 N-S	
9	X-4919-907-1 X-4919-908-2	(WHITE)...HANDLE ASSY (BLACK)...HANDLE ASSY		23	3-319-288-01 3-331-523-01	(BLACK)...FOOT (WHITE)...FOOT	
10	7-685-649-79	SCREW +BVTP 3X14 TYPE2 IT-3		24	3-331-523-01	(WHITE)...FOOT	
11	3-703-710-41	STICKER, SONY SYMBOL (12)		25	3-831-441-XX	CUSHION, SPEAKER	
12	3-319-916-61 3-319-916-71	(BLACK)...LID, BATTERY CASE (WHITE)...LID, BATTERY CASE		907	*1-622-026-31	PC BOARD, OPR/ST LED	
13	4-919-903-01	WINDOW, CD		915	 .1-555-234-00	(AEP)...CORD, POWER	
				916	 .1-558-032-11	(UK)...CORD, POWER	
				SP901	1-503-877-11	SPEAKER	
				SP902	1-503-877-11	SPEAKER	

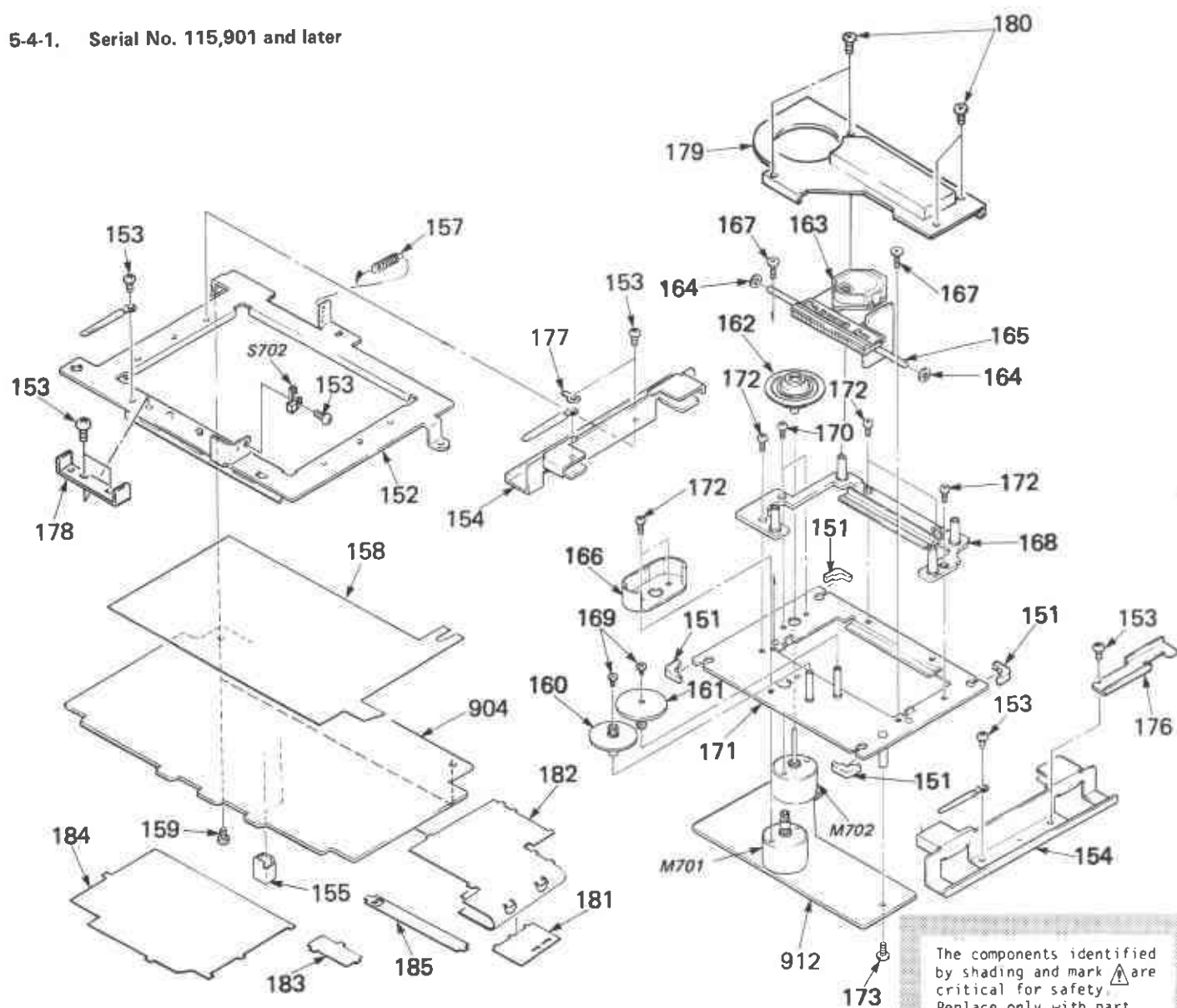
5-2.



The components identified by shading and mark  are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	*4-919-960-01	HEAT SINK, IC		74	4-919-908-01	BUTTON, POWER	
52	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3		75	7-685-147-14	SCREW +P 3X10 TYPE2 NON-SLIT	
53	*4-919-958-01	SPACER, LCD		76	4-919-927-01	PLATE, BACK, VOL	
54	4-919-919-01	SPRING (B)		77	4-919-910-01	KNOB, VOL	
55	4-919-918-01	SPRING (A)		78	X-4919-925-1	{AEP,UK)...PANEL ASSY, TOP	
56	4-919-920-01	TERMINAL, PLUS			X-4919-928-1	{ITALIAN)...PANEL ASSY, TOP	
57	4-919-933-01	BUTTON, PAUSE		79	3-569-632-00	SPRING, COMPRESSION	
58	4-919-932-01	BUTTON, FF		80	3-336-811-11	PUSH BUTTON	
59	4-919-931-01	BUTTON, REW		81	3-336-811-21	PUSH BUTTON	
60	4-919-930-01	BUTTON, PLAY		82	3-323-803-31	KNOB, BAND SELECTION	
61	4-919-929-01	BUTTON, REC		83	*4-919-977-01	PAPER (CONTROL), SHIELD	
62	4-919-928-01	BUTTON, S/E		84	4-918-544-01	SPACER (T)	
63	7-685-792-04	SCREW +PTT 2.6X6 (S)		85	4-921-118-01	COVER, FUSE	
64	4-919-907-01	BUTTON, DIRECTION		86	3-563-514-00	WASHER (B), FIBER	
65	*X-4919-902-1	LEVER ASSY, REC		87	*3-695-075-01	PIN, LEAD, COATING	
66	7-621-259-35	SCREW +BVTT 2.6X5 (S)		88	9-911-841-XX	CUSHION	
67	7-685-134-19	SCREW (+ PTPWH) (2.6X8)		902	*1-622-028-11	PC BOARD, LEAF SWITCH	
68	*X-4919-903-1	LEVER ASSY, HEAD		903	*1-622-021-11	PC BOARD, CD CONTROL	
69	3-337-804-01	SCREW (2.6X4), STEP (+) PTTWH		906	*A-3216-259-A	PC BOARD ASSY, AUDIO	
70	4-919-909-01	BUTTON, CD EJECT		908	*1-622-027-31	PC BOARD, DIR LED	
71	X-4919-916-1	BUTTON ASSY, CD		909	*1-622-127-31	PC BOARD, POWER SWITCH	
72	7-623-508-01	LUG, 3		ND801	7-807-702-11	DISPLAY PANEL, LIQUID CRYSTAL	
73	7-685-133-19	SCREW +P 2.6X6 TYPE1		S901	1-553-318-31	SWITCH, PUSH (AC POWER)(1 KEY)	

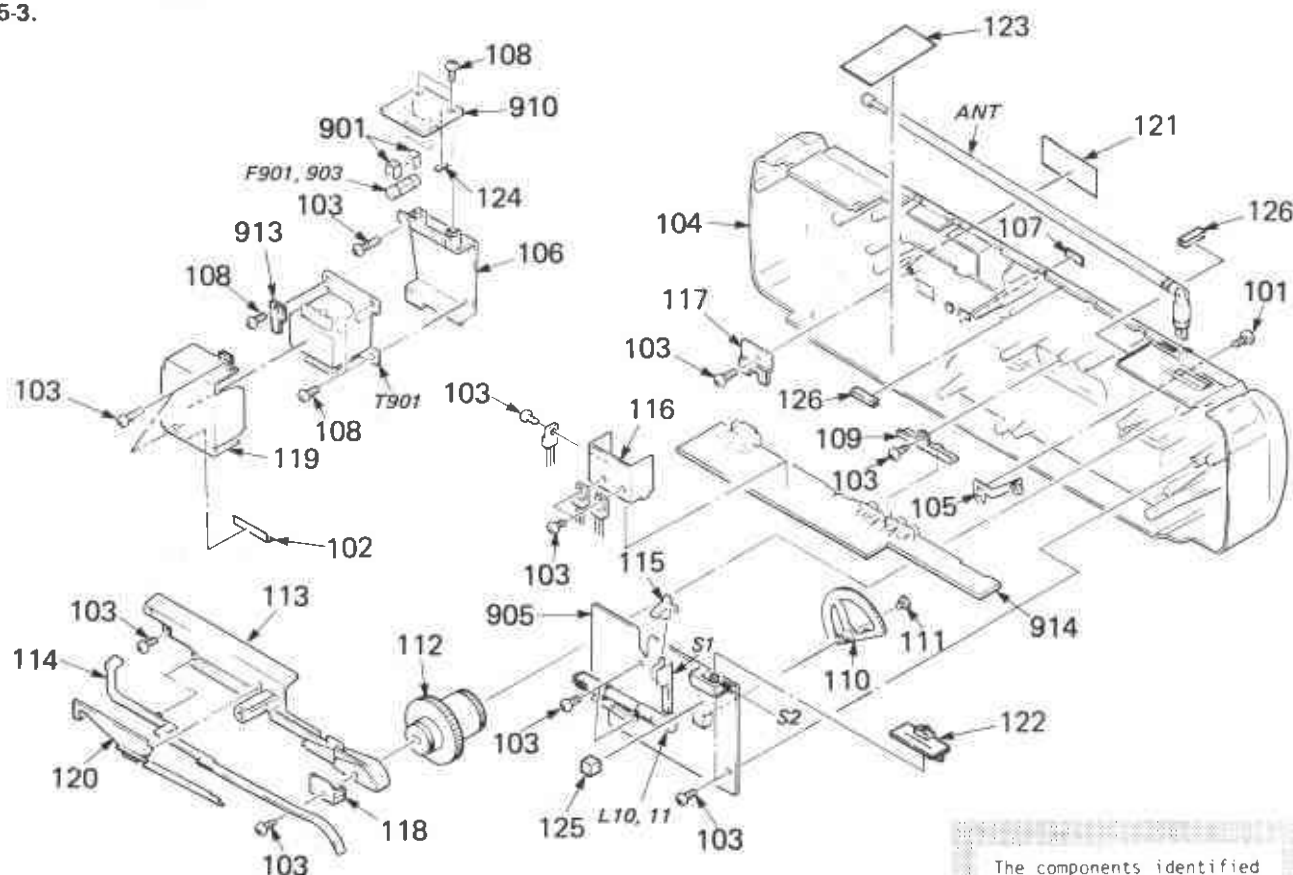
5-4-1. Serial No. 115,901 and later



No.	Part No.	Description	Remarks
151	4-919-953-01	RUBBER, INSULATING	
152	*4-919-963-01	BRACKET, BLOCK	
153	7-621-259-35	SCREW +BVTT 2.6X5 (S)	
154	*4-919-952-01	BRACKET	
155	*4-914-828-11	PLATE, SHIELD	
157	3-679-164-01	SPRING, TENSION	
158	*4-919-970-01	PAPER (CD), SHIELD	
159	7-685-645-79	SCREW +BVTP 3X6 TYPE2 IT-3	
160	X-2640-768-1	GEAR (B) ASSY	
161	X-2640-769-1	GEAR (A) ASSY	
162	X-2640-771-1	TURNTABLE ASSY	
163	Δ 8-848-078-01	PICKUP, OPTICAL (KSS-150B)	
164	2-641-412-01	WASHER, RUBBER	
165	*4-910-431-01	SHAFT, SLIDE	
166	*2-641-434-01	COVER, GEAR	
167	2-641-430-01	SCREW(2.6X6), (+)K TAPPING	
168	2-641-438-01	HOLDER, CHASSIS	
169	3-303-809-31	SCREW(M1.7X3.0), SPECIAL HEAD	
170	7-621-255-15	SCREW +P 2X3	

No.	Part No.	Description	Remarks
171	*X-2640-765-1	CHASSIS ASSY, MAIN	
172	7-621-255-25	SCREW +P 2X4	
173	7-621-771-06	SCREW +B 2X5	
176	*4-919-981-01	RETAINER	
177	7-623-508-01	LUG, 3	
178	4-921-128-01	RETAINER, BASE	
179	X-4919-911-1	COVER, CD	
180	7-682-253-05	SCREW +PS 2X4	
181	4-921-122-01	FOIL (A), SHIELD	
182	4-921-123-01	FOIL (B), SHIELD	
183	4-921-124-01	FOIL (C), SHIELD	
184	4-921-131-01	FOIL (D), SHIELD	
185	4-921-132-01	FOIL (E), SHIELD	
904	*A-3216-234-A	PC BOARD ASSY, CD MAIN	
912	*1-621-771-11	PC BOARD, MOTOR	
M701	X-2640-770-1	MOTOR (SLED) ASSY	
M702	1-541-352-11	MOTOR (SPINDLE)	
S702	1-570-912-11	SWITCH, LEAF	

5-3.

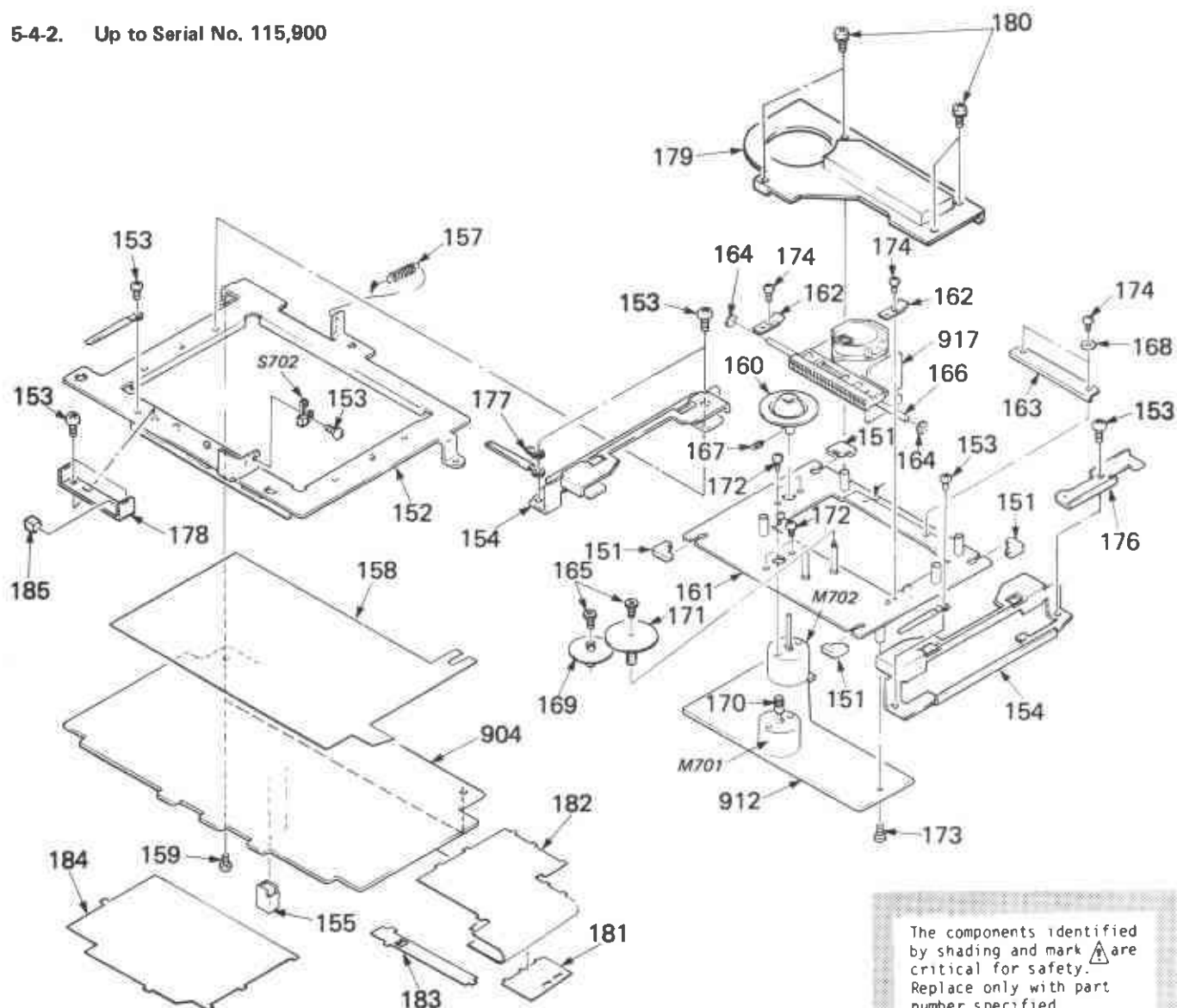


The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remarks
101	7-682-548-04	SCREW +B 3X8	
102	4-921-136-01	(UK)...INSULATOR, TRANSFORMER	
103	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
104	4-919-940-21	{BLACK}...CABINET (REAR)	
	4-919-940-31	{WHITE}...CABINET (REAR)	
105	4-919-959-01	TERMINAL BOARD, ANTENNA	
106	*4-921-116-01	BRACKET, TRANSFORMER	
107	*4-921-114-01	LABEL, MONO ST	
108	7-685-645-79	SCREW +BVTP 3X6 TYPE2 IT-3	
109	*4-919-922-01	RETAINER, JACK	
110	3-319-910-01	DRUM, DIAL	
111	7-621-259-35	SCREW +P 2.6X5	
112	3-319-905-21	KNOB, TUNING	
113	4-919-901-01	PLATE, BACK	
114	*4-919-902-01	RACK, POINTER	
115	4-921-110-01	KNOB, BAND SELECTION	
116	*4-919-968-01	HEAT SINK, TR	
117	*4-921-115-01	RETAINER, AC INLET	
118	4-919-982-01	RETAINER, RACK	
119	*4-919-976-01	PLATE, SHIELD, TRANSFORMER	

No.	Part No.	Description	Remarks
120	*4-919-983-01	GUIDE, RACK	
121	*4-885-838-00	LABEL, CLASS 1	
122	4-921-112-01	KNOB (SW)	
123	4-885-843-02	LABEL, CAUTION, LASER	
124	*3-701-948-11	{AEP}...LABEL, FUSE (400mA)	
	*3-701-948-21	{AEP}...LABEL, FUSE (5A)	
125	9-911-846-XX	CUSHION	
126	3-831-441-XX	CUSHION, SPEAKER	
901	*1-533-189-11	HOLDER, FUSE	
905	*A-3216-258-A	PC BOARD ASSY, RADIO	
910	*1-622-128-31	PC BOARD, FUSE	
913	*1-622-383-31	PC BOARD, TRANSLATION (A)	
914	*1-622-025-31	PC BOARD, POWER	
ANT	1-501-231-00	ANTENNA, TELESCOPIC (SW/FM)	
F901	▲1-532-279-00	FUSE, TIME-LAG (400mA)	
F903	▲1-532-350-00	FUSE, TIME-LAG (5A)	
L10	1-402-289-11	ANTENNA, FERRITE-ROD (LW/MW)	
L11	1-402-289-11	ANTENNA, FERRITE-ROD (LW/MW)	
T901	▲1-448-958-11	{AEP}...TRANSFORMER, POWER	
T901	▲1-448-959-11	{UK}....TRANSFORMER, POWER	

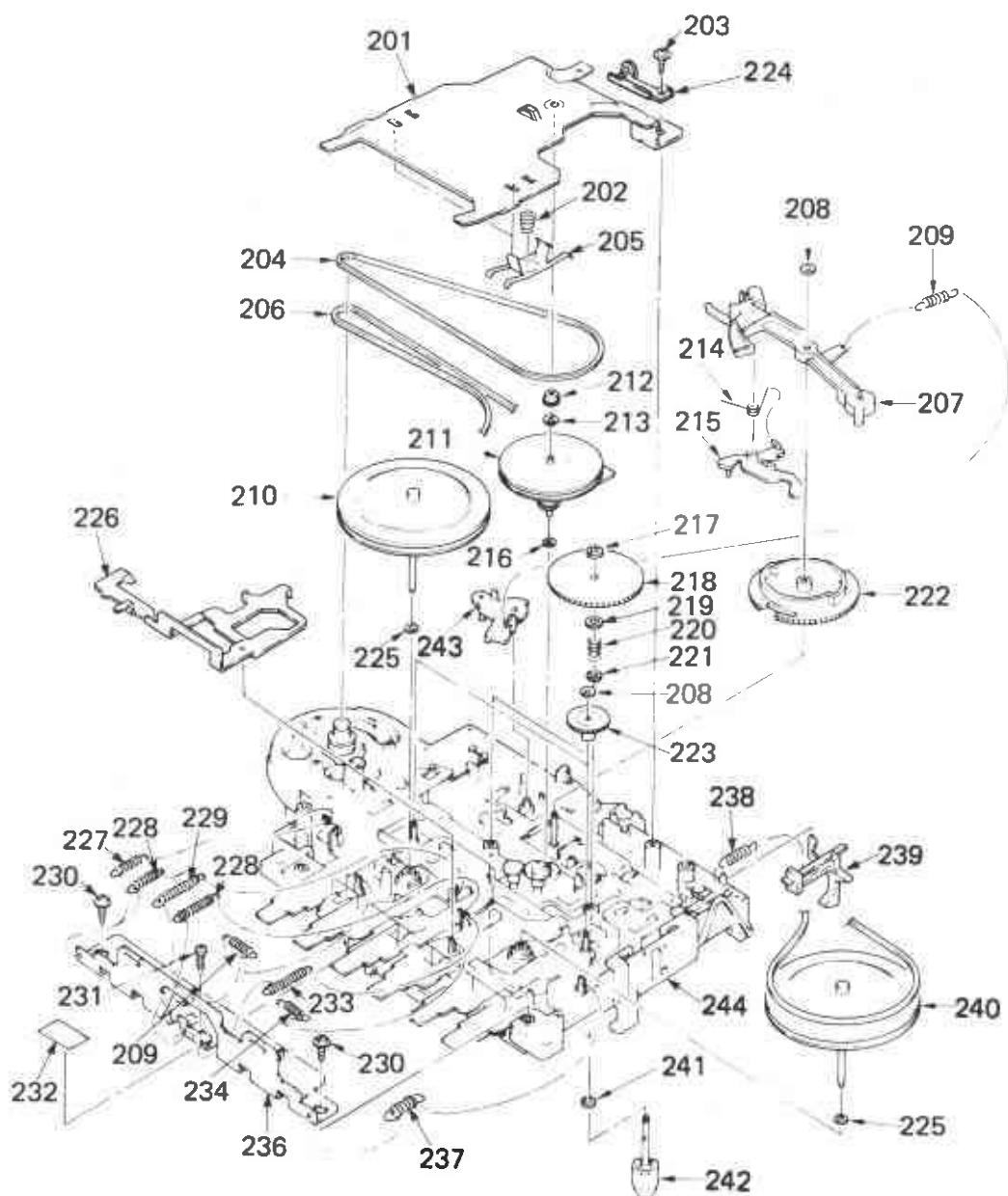
5-4-2. Up to Serial No. 115,900



No.	Part No.	Description	Remarks
151	4-919-953-01	RUBBER, INSULATING	
152	*4-919-963-01	BRACKET, BLOCK	
153	7-621-259-35	SCREW +BVT 2.6X5 (S)	
154	*4-919-952-01	BRACKET	
155	*4-914-828-11	PLATE, SHIELD	
157	3-679-164-00	SPRING, TENSION	
158	*4-919-970-01	PAPER (CD), SHIELD	
159	7-685-645-79	SCREW +BVT 3X6 TYPE2 IT-3	
160	X-2640-575-1	TURNTABLE ASSY	
161	*X-2640-766-4	CHASSIS ASSY, MAIN	
162	2-641-401-01	RETAINER	
163	2-641-405-01	SLIDE BASE GUIDE	
164	2-641-412-01	WASHER, RUBBER	
165	3-303-809-31	SCREW (1.7X3), SPECIAL HEAD	
166	*4-910-431-01	SHAFT, SLIDE	
167	7-621-732-09	SCREW HEXAGON 2X3	
168	7-688-001-11	WASHER 2	
169	2-641-403-06	GEAR (B)	
170	2-641-402-05	GEAR (C)	
171	2-641-404-02	GEAR (A)	

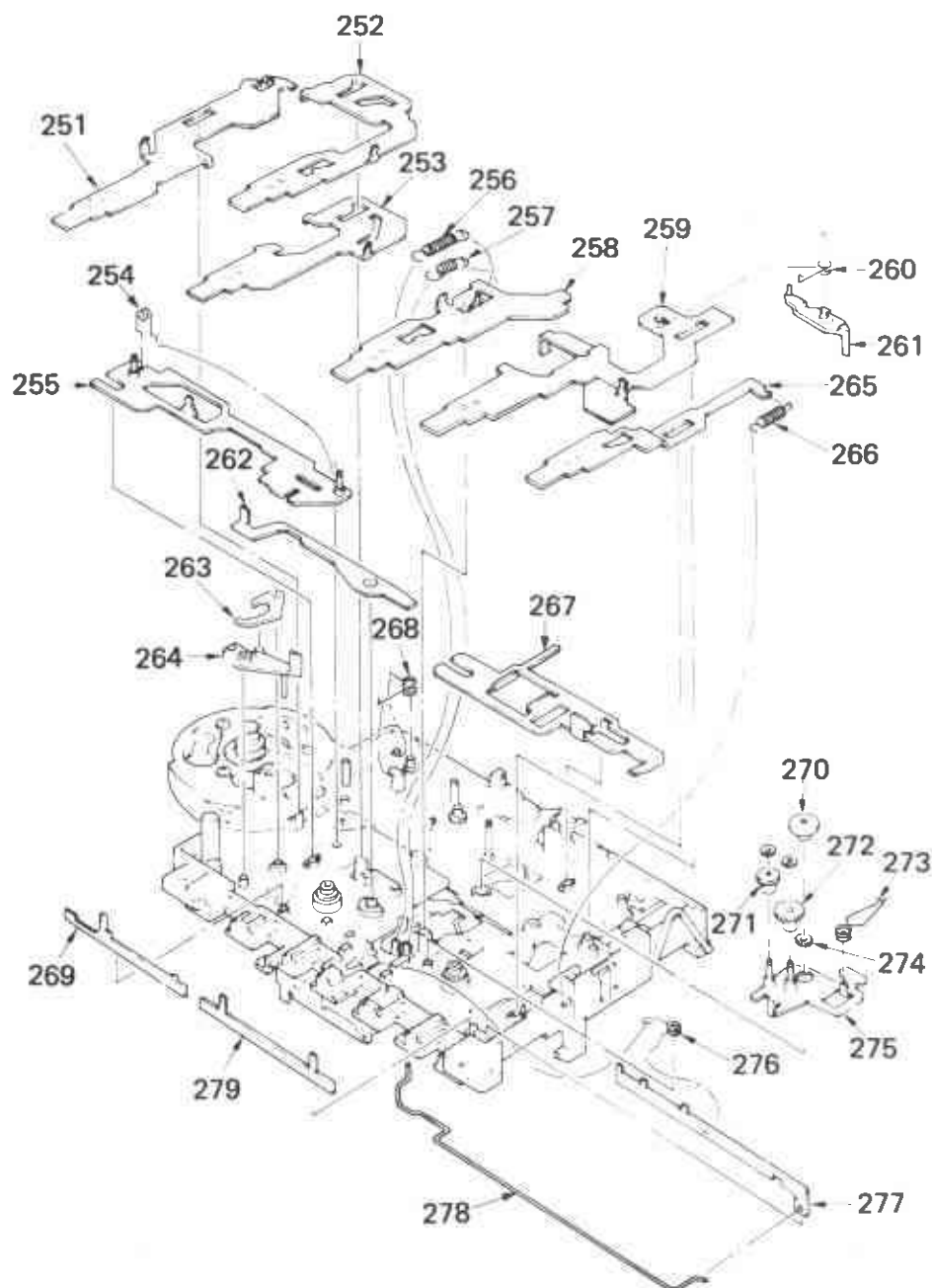
No.	Part No.	Description	Remarks
172	7-621-255-15	SCREW +P 2X3	
173	7-621-771-06	SCREW +B 2X5	
174	7-685-780-04	+PTT 2X3	
176	*4-919-981-01	RETAINER	
177	7-623-508-01	LUG, 3	
178	4-921-128-01	RETAINER, BASE	
179	X-4919-911-1	COVER ASSY, CD	
180	7-628-253-00	SCREW +PS 2X4	
181	4-921-122-01	FOIL (A), SHIELD	
182	4-921-123-01	FOIL (B), SHIELD	
183	4-921-135-01	FOIL (F), SHIELD	
184	4-921-131-01	FOIL (D), SHIELD	
185	9-911-846-XX	CUSHION	
904	*A-3216-262-A	PC BOARD ASSY, CD MAIN	
912	1-621-771-13	PC BOARD, MOTOR	
917	▲ 8-848-078-01	PICKUP, OPTICAL KSS-150B	
M701	1-541-352-11	MOTOR (SLED)	
M702	1-541-353-11	MOTOR (SPINDLE)	
S702	1-570-912-11	SWITCH, LEAF (LOAD IN)	

5-5.



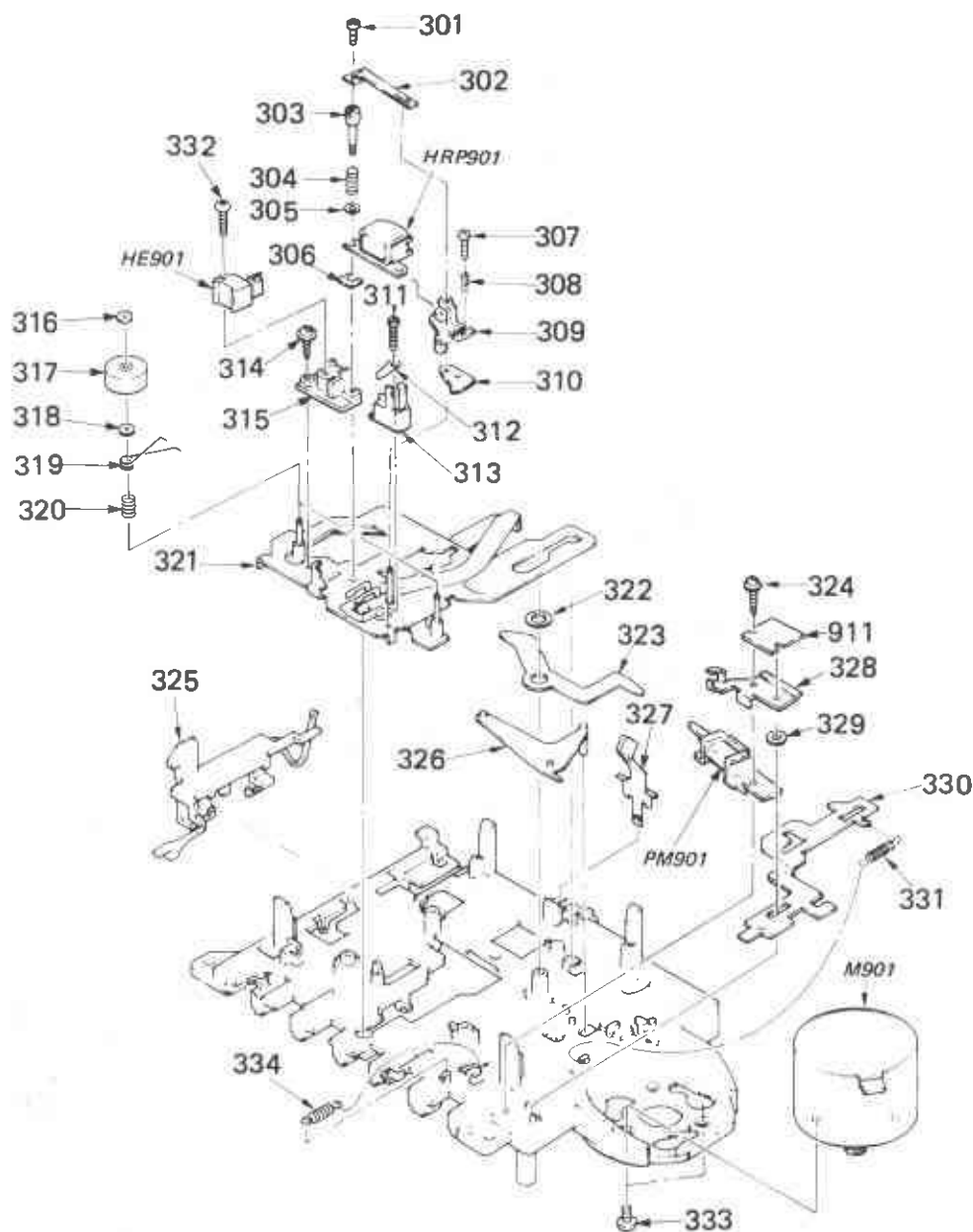
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
201	*3-322-519-01	RETAINER, THRUST		223	3-322-556-01	GEAR, FR	
202	3-322-676-01	SPRING (S), COMPRESSION		224	*4-919-949-01	BRACKET, HEAD LEVER	
203	7-685-134-19	SCREW (+ PTPWH) (2.6X8)		225	3-701-437-11	WASHER (t = 0.25)	
204	3-642-544-XX	BELT, COUNTER		226	*3-330-606-01	LEVER, SELECTION, S.OFF	
205	3-322-524-01	SPRING		227	3-530-260-00	SPRING, TENSION	
206	3-322-533-01	BELT		228	3-322-522-01	SPRING, TENSION	
207	3-330-833-01	LEVER (C), OA		229	3-328-103-01	SPRING, TENSION	
208	3-307-948-01	WASHER, NYLON		230	7-687-233-11	SCREW (+ PTPWH) (2.6X6)	
209	3-322-527-01	SPRING, TENSION		231	7-685-105-19	TPG +P 2X8, TYPE 2, NON-SLIT	
210	X-3330-601-1	FLYWHEEL (NR) ASSY		232	3-831-441-11	CUSHION (T)	
211	X-3322-540-1	DETECTION BLOCK ASSY		233	3-322-526-01	SPRING, TENSION (POWER TENSION)	
212	3-322-566-01	BEARING, PULLEY		234	3-330-605-01	SPRING, TENSION	
213	3-701-437-11	WASHER		236	*3-322-518-01	RETAINER, LEVER	
214	3-322-534-01	SPRING		237	3-322-691-01	SPRING, TENSION	
215	3-330-826-01	LEVER (D), OA		238	3-313-384-01	SPRING, TENSION	
216	3-701-437-01	WASHER		239	3-322-511-01	CLAW, ERASING PROTECTION	
217	3-322-672-01	WASHER, NYLON		240	X-3322-507-1	FLYWHEEL (R) ASSY	
218	3-322-508-01	GEAR, REEL		241	3-545-715-00	WASHER	
219	3-322-660-01	WASHER (B)		242	X-3322-502-1	CLAW ASSY, REEL	
220	3-321-541-01	SPRING, COMPRESSION		243	3-330-827-01	LEVER (B), GEAR LOCK	
221	3-322-659-01	WASHER (A)		244	A-3102-061-A	CHASSIS ASSY, MECHANICAL	
222	3-322-553-01	GEAR, CAM					

5-6.



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
251	*3-330-829-11	LEVER (C), PAUSE BUTTON		266	3-322-528-01	SPRING, TENSION	
252	3-322-515-11	LEVER, REW BUTTON		267	*3-330-602-01	LEVER (R), DIRECTION	
253	*3-322-585-11	LEVER, FF BUTTON		268	3-322-577-01	SPRING	
254	3-322-578-01	SPRING		269	*3-322-587-01	PLATE (B), LOCK	
255	*X-3322-505-1	LEVER ASSY, FR		270	3-322-513-01	COLLAR	
256	3-322-520-01	SPRING, TENSION		271	3-322-550-01	GEAR (B), FWD	
257	3-322-693-01	SPRING, TENSION (POWER TENSION)		272	3-322-509-01	GEAR (A), FWD	
258	*3-322-584-11	LEVER, PLAY BUTTON		273	3-322-576-01	SPRING	
259	*3-322-591-41	LEVER, REC BUTTON		274	3-322-689-01	RING	
260	3-322-575-01	SPRING		275	*X-3322-504-1	ARM ASSY, FWD GEAR	
261	3-322-554-01	ARM, REC LOCK		276	3-322-579-01	SPRING	
262	*3-322-517-01	LEVER, AMS		277	*3-322-589-01	LEVER, SWITCH	
263	3-322-555-01	LEVER (E), S.OFF		278	*3-321-514-01	LEVER, SWITCH, POWER	
264	X-3330-610-1	LEVER (R) ASSY, S.OFF		279	*3-330-604-01	PLATE (C), LOCK	
265	*3-322-583-11	LEVER, STOP BUTTON					

5-7.



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
301	7-627-552-37	SCREW, PRECISION +P 1.7X3		319	3-326-372-01	SPRING (C)	
302	3-326-620-01	SPRING		320	*3-337-892-11	SPRING	
303	3-326-621-01	SHAFT, HEAD FIXED		321	X-3337-809-1	CHASSIS (D) ASSY, HEAD	
304	3-326-627-01	SPRING, COMPRESSION		322	3-701-443-11	WASHER	
305	7-688-001-01	W 2, SMALL		323	*3-322-590-01	LEVER, DIRECTION RELEASE	
306	3-578-138-01	SEAM		324	7-685-105-19	SCREW (2X8), + PTPWH	
	3-578-138-11	SEAM		325	3-322-512-01	LEVER, EJECT	
307	7-627-851-27	SCREW, PRECISION +P 1.4X5		326	3-322-514-01	LINK (A)	
308	3-322-531-01	SPRING, COMPRESSION		327	3-322-595-01	SPRING	
309	3-326-628-01	ARM, AZIMUTH		328	*3-337-884-11	GUIDE (D), WIRING	
310	3-326-622-01	RETAINER, AZIMUTH		329	3-701-437-01	WASHER	
311	7-621-255-65	SCREW +P 2X10		330	*3-330-601-11	LEVER, MANUAL BUTTON	
312	7-623-505-01	LUG, 2		331	3-328-101-01	SPRING, TENSION(POWER TENSION)	
313	3-326-625-01	RETAINER, PC BOARD		332	7-685-106-19	SCREW +P 2X10 TYPE2 SLIT	
314	7-621-255-35	SCREW (2MMX5), + PWH		333	7-621-259-35	SCREW +P 2.6X5	
315	3-326-623-01	BRACKET, HEAD		334	3-330-633-01	SPRING, TENSION	
316	3-307-948-01	WASHER, NYLON		911	*1-602-735-00	PC BOARD	
317	3-703-597-41	PINCH ROLLER, STANDARD		HE901	1-543-338-11	HEAD, MAGNETIC (ERASE)	
318	3-330-642-01	WASHER, CLAMP		HRP901	1-543-389-11	HEAD, MAGNETIC (REC/PB)	
				M901	A-3133-210-A	MOTOR ASSY	
				PM901	1-454-355-00	SOLENOID, PLUNGER	

SECTION 6 ELECTRICAL PARTS LIST

NOTE:

Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

MF: μ F, PF: μ P.F.

RESISTORS

All resistors are in ohms.


F: nonflammable

COILS

MMH: mH, UH: μ H

SEMICONDUCTORS

In each case, U: μ , for example:UA...: μ A..., UPA...: μ PA..., UPC...: μ PC,UPD...: μ PD...

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
901	*1-533-189-11	HOLDER, FUSE
902	*1-622-028-11	PC BOARD, LEAF SWITCH
903	*1-622-021-11	PC BOARD, CD CONTROL
904	*A-3216-262-A	PC BOARD ASSY, CD MAIN
905	*A-3216-258-A	PC BOARD ASSY, RADIO
906	*A-3216-259-A	PC BOARD ASSY, AUDIO
907	*1-622-026-31	PC BOARD, OPR/ST LED
908	*1-622-027-31	PC BOARD, DIR LED
909	*1-622-127-31	PC BOARD, POWER SWITCH
910	*1-622-128-31	PC BOARD, FUSE
911	*1-602-735-00	PC BOARD
912	1-621-771-13	PC BOARD, MOTOR
913	*1-622-383-31	PC BOARD, TRANSLATION (A)
914	*1-622-025-31	PC BOARD, POWER
915	★ 1-555-234-00	(AEP)...CORD, POWER
916	★ 1-558-032-11	(UK)...CORD, POWER
917	★ 1-848-078-01	PICKUP OPTICAL KSS-150B
ANT	1-501-231-00	ANTENNA, TELESCOPIC (SW/FM)
C1	1-102-460-01	(ITALIAN)...CERAMIC 24P
C1	1-162-209-31	(AEP,UK)...CERAMIC 27P 5% 50V
C2	1-102-673-91	(AEP,UK)...CERAMIC 30PF 5% 50V
C2	1-102-806-91	(ITALIAN)...CERAMIC 2.7PF
C3	1-123-875-11	ELECT 10MF 20% 50V
C4	1-161-379-00	CERAMIC 0.01MF 30% 16V
C5	1-162-190-31	CERAMIC 1.8PF 20% 50V
C6	1-124-446-11	ELECT 47MF 20% 10V
C7	1-161-379-00	CERAMIC 0.01MF 30% 16V
C8	1-124-499-11	ELECT 1MF 20% 50V
C9	1-161-379-00	CERAMIC 0.01MF 30% 16V
C10	1-124-499-11	ELECT 1MF 20% 50V
C11	1-124-927-11	ELECT 4.7MF 20% 50V
C12	1-161-379-00	CERAMIC 0.01MF 30% 16V
C13	1-123-875-11	ELECT 10MF 20% 50V
C14	1-124-927-11	ELECT 4.7MF 20% 50V
C15	1-162-841-11	CERAMIC 0.015MF 10% 16V
C16	1-162-199-31	CERAMIC 10PF 5% 50V
C17	1-102-973-00	CERAMIC 100PF 5% 50V
C18	1-162-196-31	CERAMIC 5.6PF 10% 50V
C19	1-102-971-00	CERAMIC 82PF 5% 50V
C20	1-162-294-31	CERAMIC 0.001MF 10% 50V
C21	1-162-197-31	CERAMIC 6.8PF 10% 50V
C22	1-102-923-00	CERAMIC 120PF 5% 50V
C23	1-161-960-00	CERAMIC 100PF 2% 50V
C24	1-161-960-00	CERAMIC 100PF 2% 50V
C25	1-161-960-00	CERAMIC 100PF 2% 50V
C26	1-162-294-31	CERAMIC 0.001MF 10% 50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C27	1-161-021-11	CERAMIC 0.047MF 10% 16V
C28	1-124-902-00	ELECT 0.47MF 20% 50V
C29	1-124-902-00	ELECT 0.47MF 20% 50V
C30	1-124-499-11	ELECT 1MF 20% 50V
C31	1-124-902-00	ELECT 0.47MF 20% 50V
C32	1-124-446-11	ELECT 47MF 20% 10V
C33	1-130-471-00	FILM 0.001MF 10% 50V
C34	1-161-379-00	CERAMIC 0.01MF 30% 16V
C35	1-124-446-11	ELECT 47MF 20% 10V
C36	1-161-057-00	CERAMIC 0.033MF 10% 16V
C37	1-161-057-00	CERAMIC 0.033MF 10% 16V
C38	1-124-927-11	ELECT 4.7MF 20% 50V
C39	1-124-927-11	ELECT 4.7MF 20% 50V
C40	1-124-446-11	ELECT 47MF 20% 10V
C101	1-161-057-00	CERAMIC 0.033MF 10% 16V
C102	1-124-477-11	ELECT 47MF 20% 25V
C103	1-123-875-11	ELECT 10MF 20% 50V
C104	1-162-843-11	CERAMIC 0.022MF 10% 16V
C105	1-124-927-11	ELECT 4.7MF 20% 50V
C106	1-162-286-31	CERAMIC 220PF 10% 50V
C107	1-124-908-11	ELECT 22MF 20% 25V
C108	1-124-927-11	ELECT 4.7MF 20% 50V
C109	1-162-848-11	CERAMIC 0.056MF 10% 16V
C110	1-161-043-00	CERAMIC 0.0022MF 10% 16V
C111	1-161-023-00	CERAMIC 0.068MF 10% 16V
C112	1-124-499-11	ELECT 1MF 20% 50V
C113	1-162-286-31	CERAMIC 220PF 10% 50V
C114	1-124-927-11	ELECT 4.7MF 20% 50V
C115	1-126-101-11	ELECT 100MF 20% 16V
C116	1-124-555-00	ELECT 1000MF 20% 16V
C117	1-161-042-00	CERAMIC 0.0018MF 10% 16V
C118	1-162-292-31	CERAMIC 680PF 10% 50V
C119	1-162-292-31	CERAMIC 680PF 10% 50V
C120	1-136-169-00	FILM 0.22MF 5% 50V
C121	1-162-851-11	CERAMIC 0.1MF 10% 16V
C150	1-102-106-00	CERAMIC 100PF 10% 50V
C151	1-162-287-31	CERAMIC 270PF 10% 50V
C152	1-162-280-31	CERAMIC 82PF 10% 50V
C199	1-161-374-11	CERAMIC 0.0015MF 30% 16V
C201	1-161-057-00	CERAMIC 0.033MF 10% 16V
C202	1-124-477-11	ELECT 47MF 20% 25V
C203	1-123-875-11	ELECT 10MF 20% 50V
C204	1-162-843-11	CERAMIC 0.022MF 10% 16V
C205	1-124-927-11	ELECT 4.7MF 20% 50V
C206	1-162-286-31	CERAMIC 220PF 10% 50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C207	1-124-908-11	ELECT	22MF	20%	25V
C208	1-124-927-11	ELECT	4.7MF	20%	50V
C209	1-162-848-11	CERAMIC	0.056MF	10%	16V
C210	1-161-043-00	CERAMIC	0.0022MF	10%	16V
C211	1-161-023-00	CERAMIC	0.068MF	10%	16V
C212	1-124-499-11	ELECT	1MF	20%	50V
C213	1-162-286-31	CERAMIC	220PF	10%	50V
C214	1-124-927-11	ELECT	4.7MF	20%	50V
C215	1-126-101-11	ELECT	100MF	20%	16V
C216	1-124-555-00	ELECT	1000MF	20%	16V
C217	1-161-042-00	CERAMIC	0.0018MF	10%	16V
C218	1-162-292-31	CERAMIC	680PF	10%	50V
C219	1-162-292-31	CERAMIC	680PF	10%	50V
C220	1-136-169-00	FILM	0.22MF	5%	50V
C221	1-162-851-11	CERAMIC	0.1MF	10%	16V
C250	1-102-106-00	CERAMIC	100PF	10%	50V
C251	1-162-287-31	CERAMIC	270PF	10%	50V
C252	1-162-280-31	CERAMIC	82PF	10%	50V
C299	1-161-374-11	CERAMIC	0.0015MF	30%	16V
C301	1-126-101-11	ELECT	100MF	20%	16V
C302	1-126-101-11	ELECT	100MF	20%	16V
C303	1-124-477-11	ELECT	47MF	20%	25V
C304	1-124-444-00	ELECT	220MF	20%	10V
C305	1-130-483-00	MYLAR	0.01MF	5%	50V
C306	1-130-471-00	MYLAR	0.001MF	5%	50V
C307	1-130-483-00	MYLAR	0.01MF	5%	50V
C308	1-130-484-00	MYLAR	0.012MF	5%	50V
C311	1-124-908-11	ELECT	22MF	20%	25V
C312	1-124-908-11	ELECT	22MF	20%	25V
C313	1-123-875-11	ELECT	10MF	20%	50V
C314	1-124-902-00	ELECT	0.47MF	20%	50V
C315	1-124-927-11	ELECT	4.7MF	20%	50V
C316	1-124-925-11	ELECT	2.2MF	20%	50V
C317	1-124-499-11	ELECT	1MF	20%	50V
C318	1-124-902-00	ELECT	0.47MF	20%	50V
C319	1-124-908-11	ELECT	22MF	20%	25V
C320	1-124-477-11	ELECT	47MF	20%	25V
C321	1-126-101-11	ELECT	100MF	20%	16V
C322	1-124-908-11	ELECT	22MF	20%	25V
C323	1-123-875-11	ELECT	10MF	20%	50V
C324	1-126-101-11	ELECT	100MF	20%	16V
C325	1-124-478-11	ELECT	100MF	20%	25V
C326	1-124-479-11	ELECT	330MF	20%	25V
C327	1-161-772-11	CERAMIC	0.1MF	10%	25V
C351	1-102-074-00	CERAMIC	0.001MF	10%	50V
C352	1-124-902-00	ELECT	0.47MF	20%	50V
C353	1-124-908-11	ELECT	22MF	20%	25V
C397	1-162-827-11	CERAMIC	0.001MF	10%	16V
C398	1-162-827-11	CERAMIC	0.001MF	10%	16V
C399	1-162-827-11	CERAMIC	0.001MF	10%	16V
C401	1-124-444-00	ELECT	220MF	20%	10V
C402	1-124-927-11	ELECT	4.7MF	20%	50V
C403	1-162-294-31	CERAMIC	0.001MF	10%	50V
C404	1-124-908-11	ELECT	22MF	20%	25V
C405	1-130-470-00	MYLAR	820PF	5%	50V
C406	1-130-473-00	MYLAR	0.0015MF	5%	50V
C501	1-124-444-00	ELECT	220MF	20%	10V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C502	1-124-120-11	ELECT	220MF	20%	16V
C701	1-130-475-11	MYLAR	0.0022MF	5%	50V
C702	1-124-896-11	ELECT	33MF	20%	16V
C703	1-162-294-31	CERAMIC	0.001MF	10%	50V
C704	1-124-443-11	ELECT	100MF	20%	10V
C706	1-130-489-11	MYLAR	0.033MF	5%	50V
C707	1-131-395-11	TANTALUM	100MF	10%	3.15V
C708	1-130-489-11	MYLAR	0.033MF	5%	50V
C709	1-130-483-11	MYLAR	0.01MF	5%	50V
C710	1-124-896-11	ELECT	33MF	20%	16V
C712	1-124-896-11	ELECT	33MF	20%	16V
C722	1-124-443-00	ELECT	100MF	20%	10V
C724	1-161-379-00	CERAMIC	0.01MF	20%	16V
C725	1-124-902-00	ELECT	0.47MF	20%	50V
C726	1-124-499-11	ELECT	1MF	20%	50V
C727	1-124-499-11	ELECT	1MF	20%	50V
C728	1-130-479-00	MYLAR	0.0047MF	5%	50V
C729	1-162-294-31	CERAMIC	0.001MF	10%	50V
C730	1-124-963-11	ELECT	33MF	20%	16V
C731	1-124-902-00	ELECT	0.47MF	20%	50V
C732	1-130-489-00	MYLAR	0.033MF	5%	50V
C733	1-124-963-11	ELECT	33MF	20%	16V
C734	1-130-475-00	MYLAR	0.0022MF	5%	50V
C735	1-130-491-00	MYLAR	0.047MF	5%	50V
C736	1-136-165-00	FILM	0.1MF	5%	50V
C737	1-130-489-00	MYLAR	0.033MF	5%	50V
C738	1-136-165-00	FILM	0.1MF	5%	50V
C739	1-124-963-11	ELECT	33MF	20%	16V
C740	1-131-382-00	TANTALUM	6.8MF	10%	6.3V
C741	1-130-493-00	MYLAR	0.068MF	5%	50V
C742	1-162-290-31	CERAMIC	470PF	10%	50V
C743	1-124-963-11	ELECT	33MF	20%	16V
C744	1-124-908-11	ELECT	22MF	20%	25V
C746	1-124-444-00	ELECT	220MF	20%	10V
C747	1-102-965-00	CERAMIC	39PF	5%	50V
C748	1-102-961-00	CERAMIC	27PF	5%	50V
C749	1-130-475-00	MYLAR	0.0022MF	5%	50V
C750	1-130-475-00	MYLAR	0.0022MF	5%	50V
C751	1-124-442-00	ELECT	330MF	20%	6.3V
C752	1-124-442-00	ELECT	330MF	20%	6.3V
C753	1-102-947-00	CERAMIC	10PF	0.25PF	50V
C754	1-102-114-11	CERAMIC	0.1MF	10%	16V
C755	1-124-255-00	ELECT	1MF	20%	50V
C756	1-124-499-11	ELECT	1MF	20%	50V
C757	1-124-235-11	ELECT	33MF	20%	16V
C758	1-101-888-11	CERAMIC	68PF		
C759	1-124-245-00	ELECT	4.7MF	20%	16V
C760	1-124-927-11	ELECT	4.7MF	20%	50V
C761	1-124-443-00	ELECT	100MF	20%	10V
C762	1-130-472-00	MYLAR	0.0012MF	5%	50V
C763	1-130-472-00	MYLAR	0.0012MF	5%	50V
C764	1-124-255-00	ELECT	1MF	20%	50V
C765	1-124-499-11	ELECT	1MF	20%	50V
C766	1-124-443-00	ELECT	100MF	20%	10V
C767	1-124-902-00	ELECT	0.47MF	20%	50V
C768	1-123-875-11	ELECT	10MF	20%	50V
C769	1-130-479-00	MYLAR	0.0047MF	5%	50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C770	1-130-483-00	MYLAR	0.01MF	5%	50V
C772	1-130-483-00	MYLAR	0.01MF	5%	50V
C773	1-124-473-11	ELECT	1000MF	20%	10V
C774	1-124-472-11	ELECT	470MF	20%	10V
C775	1-124-473-11	ELECT	1000MF	20%	10V
C776	1-162-294-31	CERAMIC	0.001MF	10%	50V
C777	1-124-444-00	ELECT	220MF	20%	10V
C778	1-124-472-11	ELECT	470MF	20%	10V
C779	1-162-294-31	CERAMIC	0.001MF	10%	50V
C780	1-161-379-00	CERAMIC	0.01MF	20%	16V
C781	1-162-294-31	CERAMIC	0.001MF	10%	50V
C782	1-124-893-11	ELECT	2200MF	20%	10V
C783	1-131-386-00	TANTALUM	33MF	10%	6.3V
C784	1-102-114-11	CERAMIC	470PF	10%	50V
C785	1-102-074-00	CERAMIC	0.001MF	10%	50V
C786	1-102-074-00	CERAMIC	0.001MF	10%	50V
C787	1-102-114-00	CERAMIC	470PF	10%	50V
C788	1-162-839-11	CERAMIC	0.01MF	10%	16V
C789	1-162-294-31	CERAMIC	0.001MF	10%	50V
C790	1-102-074-00	CERAMIC	0.001MF	10%	50V
C791	1-162-294-31	CERAMIC	0.001MF	10%	50V
C792	1-162-294-31	CERAMIC	0.001MF	10%	50V
C793	1-162-851-11	CERAMIC	0.1MF	10%	16V
C794	1-162-851-11	CERAMIC	0.1MF	10%	16V
C795	1-162-851-11	CERAMIC	0.1MF	10%	16V
C796	1-162-851-11	CERAMIC	0.1MF	10%	16V
C797	1-162-851-11	CERAMIC	0.1MF	10%	16V
C798	1-162-851-11	CERAMIC	0.1MF	10%	16V
C799	1-162-835-11	CERAMIC	0.0047MF	10%	16V
C801	1-102-520-00	CERAMIC	39PF	5%	50V
C802	1-102-520-00	CERAMIC	39PF	5%	50V
C803	1-124-902-00	ELECT	0.47MF	20%	50V
C897	1-162-851-11	CERAMIC	0.1MF	10%	16V
C898	1-162-835-11	CERAMIC	0.0047MF	10%	16V
C899	1-162-835-11	CERAMIC	0.0047MF	10%	16V
C901	1-124-564-11	ELECT	4700MF	20%	25V
C902	1-161-055-00	CERAMIC	0.022MF	10%	25V
C903	1-161-055-00	CERAMIC	0.022MF	10%	25V
C904	1-161-494-00	CERAMIC	0.022MF	30%	25V
C905	1-124-472-11	ELECT	470MF	20%	10V
C906	1-161-379-00	CERAMIC	0.01MF	30%	16V
C907	1-161-379-00	CERAMIC	0.01MF	30%	16V
C908	1-126-103-11	ELECT	470MF	20%	16V
C909	1-161-494-00	CERAMIC	0.022MF	30%	25V
C910	1-162-294-31	CERAMIC	0.001MF	10%	50V
C911	1-126-101-11	ELECT	100MF	20%	16V
C912	1-161-379-00	CERAMIC	0.01MF	30%	16V
C913	1-161-379-00	CERAMIC	0.01MF	30%	16V
C914	1-124-480-11	ELECT	470MF	20%	25V
C915	1-161-772-11	CERAMIC	0.1MF	20%	25V
C916	1-161-772-11	CERAMIC	0.1MF	20%	25V
C917	1-161-772-11	CERAMIC	0.1MF	20%	25V
C918	1-162-294-31	CERAMIC	0.001MF	10%	50V
C919	1-161-377-00	CERAMIC	0.0047MF	30%	16V
CF1	1-567-198-11	FILTER, CERAMIC			
CF2	1-567-309-11	FILTER, CERAMIC			
CF3	1-567-163-11	FILTER, CERAMIC			
CF801	1-527-932-00	OSCILLATOR, CERAMIC			

ELECTRICAL PARTS

Ref.No.	Part No.	Description
CN1	*1-564-340-00	PIN, CONNECTOR 6P
CN301	*1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P
CN302	*1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P
CN303	*1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P
CN304	*1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P
CN401	*1-564-342-11	PIN, CONNECTOR 8P
CN402	*1-564-342-11	PIN, CONNECTOR 8P
CN403	*1-564-340-00	PIN, CONNECTOR 6P
CN404	*1-564-666-11	PIN, CONNECTOR 10P
CN405	*1-564-337-00	PIN, CONNECTOR 3P
CN701	*1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P
CN702	*1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P
CN703	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P
CN704	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P
CN705	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P
CN706	*1-564-727-11	PIN, CONNECTOR (SMALL TYPE) 11P
CN707	*1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P
CN708	*1-564-337-00	PIN, CONNECTOR 3P
CN709	*1-564-341-11	PIN, CONNECTOR 7P
CN710	*1-506-503-11	PIN, CONNECTOR 9P
CN901	1-526-838-11	INLET, AC 2P
CN902	*1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P
CT5	1-141-245-00	TRIMMER, CERAMIC
CT6	1-141-245-00	TRIMMER, CERAMIC
CT7	1-141-227-00	CAP, CERAMIC TRIMMER
CV1	1-151-361-00	CAP, TUNING, POLYETHYLENE
D1	8-719-901-33	DIODE 1SS133
D2	8-719-901-33	DIODE 1SS133
D3	8-719-901-33	DIODE 1SS133
D4	8-719-901-33	DIODE 1SS133
D5	8-719-901-33	DIODE 1SS133
D6	8-719-109-81	DIODE RD4.7ES-82
D12	8-719-945-41	DIODE SLR-34VR5
D301	8-719-901-33	DIODE 1SS133
D302	8-719-901-33	DIODE 1SS133
D303	8-719-945-41	DIODE SLR-34VR5
D304	8-719-945-42	DIODE SLB-55VR5
D305	8-719-945-42	DIODE SLB-55VR5
D306	8-719-901-33	DIODE 1SS133
D307	8-719-901-33	DIODE 1SS133
D308	8-719-901-33	DIODE 1SS133
D309	8-719-901-33	DIODE 1SS133
D396	8-719-901-33	DIODE 1SS133
D397	8-719-901-33	DIODE 1SS133
D398	8-719-901-33	DIODE 1SS133
D399	8-719-901-33	DIODE 1SS133
D501	8-719-901-33	DIODE 1SS133
D502	8-719-901-33	DIODE 1SS133
D701	8-719-200-29	DIODE 11DQ04
D702	8-719-200-29	DIODE 11DQ04
D703	8-719-200-29	DIODE 11DQ04
D704	8-719-200-29	DIODE 11DQ04
D705	8-719-910-65	DIODE HZ6B2L
D706	8-719-901-33	DIODE 1SS133
D707	8-719-901-33	DIODE 1SS133
D798	8-719-901-33	DIODE 1SS133

ELECTRICAL PARTS

Ref.No.	Part No.	Description
D799	8-719-901-33	DIODE 1SS133
D801	8-719-901-33	DIODE 1SS133
D802	8-719-901-33	DIODE 1SS133
D803	8-719-901-33	DIODE 1SS133
D804	8-719-901-33	DIODE 1SS133
D805	8-719-901-33	DIODE 1SS133
D806	8-719-901-33	DIODE 1SS133
D901	8-719-500-56	DIODE D3SBA20
D902	8-719-110-14	DIODE RD9.1ES-B3
D903	8-719-110-09	DIODE RD8.2ES-B3
D904	8-719-110-23	DIODE RD11ES-B3
F901	<u>A</u> 1-532-279-00	FUSE, TIME-LAG (0.5A)
F903	<u>A</u> 1-532-350-00	FUSE, TIME-LAG (4A)
FL1	1-235-536-11	FILTER, BAND PASS
FL701	1-235-984-11	FILTER, LOW PASS
FL702	1-235-984-11	FILTER, LOW PASS
HE901	1-543-338-11	HEAD, MAGNETIC (ERASE)
HRP901	1-543-389-11	HEAD, MAGNETIC (REC/PB)
IC1	8-752-030-95	IC CXA1111P
IC2	8-759-945-47	IC BA1332L-MR
IC301	8-759-942-23	IC BA3416BL
IC302	8-759-942-24	IC BA3312N
IC303	8-759-942-22	IC BA5406
IC304	8-759-905-47	IC BA338
IC701	8-752-030-93	IC CXA1081M
IC702	8-752-031-61	IC CXA1082AQ
IC703	8-752-322-32	IC CXD1130Q
IC704	8-759-802-74	IC LC3516AML-15
IC705	8-752-323-88	IC CXD1140AM
IC706	8-759-601-02	IC M5218P
IC707	8-759-924-58	IC CXA1083M
IC708	8-759-941-84	IC BA6290
IC709	8-759-803-46	IC LA5005
IC801	8-759-605-05	IC M51951BSL
IC802	8-752-802-17	IC CXP5024H-Q27Q
J301	1-563-649-11	JACK (HEADPHONE A)
J401	1-563-330-11	JACK (MIX MIC)
J402	1-507-967-21	JACK (HEADPHONE B)
J403	1-563-716-11	JACK, PIN
J404	1-563-716-11	JACK, PIN
L1	1-410-315-21	MICRO INDUCTOR 0.68UH
L2	1-459-520-11	COIL (WITH CORE)
L3	1-459-418-00	COIL (WITH CORE)
L4	1-410-332-11	MICRO INDUCTOR 47UH
L5	1-402-095-11	COIL, ANT (SW1)
L6	1-402-096-11	COIL, ANT (SW2)
L7	1-402-097-11	COIL, ANT (SW3)
L8	1-402-098-11	COIL, ANT (SW4)
L9	1-402-099-11	COIL, ANT (SW5)
L10	1-402-289-11	ANTENNA, FERRITE-ROD (LW/MW)
L11	1-402-289-11	ANTENNA, FERRITE-ROD (LW/MW)
L301	1-408-563-00	MICRO INDUCTOR 10UH
L302	1-408-563-00	MICRO INDUCTOR 10UH
L303	1-408-575-00	MICRO INDUCTOR 100UH
L701	1-410-336-11	MICRO INDUCTOR 220UH

ELECTRICAL PARTS

Ref.No.	Part No.	Description
L702	1-410-336-11	MICRO INDUCTOR 220UH
L703	1-410-336-11	MICRO INDUCTOR 220UH
L704	1-408-569-00	MICRO INDUCTOR 33UH
L705	1-408-557-00	MICRO INDUCTOR 3.3UH
L706	1-408-557-00	MICRO INDUCTOR 3.3UH
L707	1-408-557-00	MICRO INDUCTOR 3.3UH
L708	1-459-691-11	COIL (WITH CORE) 100UH
L709	1-459-691-11	COIL (WITH CORE) 100UH
L710	1-459-691-11	COIL (WITH CORE) 100UH
L711	1-408-575-00	MICRO INDUCTOR 100UH
M701	1-541-352-11	MOTOR (SLED)
M702	1-541-353-11	MOTOR (SPINDLE)
M901	A-3102-061-A	CHASSIS ASSY, MECHANICAL
ND801	1-807-702-11	DISPLAY PANEL, LIQUID CRYSTAL
PM901	1-454-355-00	SOLENOID, PLUNGER
PS901	<u>A</u> 1-532-840-21	LINK, IC
PS902	<u>A</u> 1-532-842-21	LINK, IC
Q1	8-729-806-30	TRANSISTOR 2SC4048
Q2	8-729-811-22	TRANSISTOR 2SD1012-F2
Q101	8-729-901-41	TRANSISTOR 2SC1740SR
Q102	8-729-811-22	TRANSISTOR 2SD1012-F2
Q201	8-729-901-41	TRANSISTOR 2SC1740SR
Q202	8-729-811-22	TRANSISTOR 2SD1012-F2
Q301	8-729-901-41	TRANSISTOR 2SC1740SR
Q302	8-729-177-43	TRANSISTOR 2SD774
Q303	8-729-204-83	TRANSISTOR 2SA1048-GR
Q304	8-729-901-41	TRANSISTOR 2SC1740SR
Q305	8-729-901-41	TRANSISTOR 2SC1740SR
Q306	8-729-204-83	TRANSISTOR 2SA1048-GR
Q307	8-729-905-76	TRANSISTOR 2SD1468-R
Q308	8-729-901-41	TRANSISTOR 2SC1740SR
Q309	8-729-901-41	TRANSISTOR 2SC1740SR
Q310	8-729-204-83	TRANSISTOR 2SA1048-GR
Q401	8-729-901-41	TRANSISTOR 2SC1740SR
Q402	8-729-901-41	TRANSISTOR 2SC1740SR
Q501	8-729-811-24	TRANSISTOR 2SD1012
Q701	8-729-801-83	TRANSISTOR 2SB1013
Q702	8-729-900-36	TRANSISTOR DTC124ES
Q703	8-729-900-36	TRANSISTOR DTC124ES
Q704	8-729-204-83	TRANSISTOR 2SA1048-GR
Q705	8-729-204-83	TRANSISTOR 2SA1048-GR
Q706	8-729-811-24	TRANSISTOR 2SD1012
Q707	8-729-811-24	TRANSISTOR 2SD1012
Q708	8-729-900-36	TRANSISTOR DTC124ES
Q709	8-729-900-36	TRANSISTOR DTC124ES
Q710	8-729-900-63	TRANSISTOR DTA124ES
Q711	8-729-905-67	TRANSISTOR 2SD1944-K
Q712	8-729-400-82	TRANSISTOR 2SD1266-P
Q801	8-729-900-63	TRANSISTOR DTA124ES
Q802	8-729-900-36	TRANSISTOR DTC124ES
Q901	8-729-901-41	TRANSISTOR 2SC1740SR
Q902	8-729-904-27	TRANSISTOR 2SD1761-E
Q903	8-729-905-67	TRANSISTOR 2SD1944-K
Q904	8-729-901-41	TRANSISTOR 2SC1740SR
Q905	8-729-904-27	TRANSISTOR 2SD1761-E

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R1	1-249-409-11	CARBON	220	5%	1/4W
R2	1-249-408-11	CARBON	180	5%	1/4W
R3	1-249-405-11	CARBON	100	5%	1/4W
R4	1-249-441-11	CARBON	100K	5%	1/4W
R5	1-249-420-11	CARBON	1.9K	5%	1/4W
R6	1-249-429-11	CARBON	10K	5%	1/4W
R7	1-249-408-11	CARBON	180	5%	1/4W
R8	1-249-431-11	CARBON	15K	5%	1/4W
R10	1-247-779-00	CARBON	6.8	5%	1/6W
R11	1-249-385-11	CARBON	2.2	5%	1/4W
R12	1-249-417-11	CARBON	1K	5%	1/4W
R13	1-249-399-11	CARBON	33	5%	1/4W
R14	1-247-854-00	CARBON	9.1K	5%	1/4W
R15	1-249-423-11	CARBON	3.3K	5%	1/4W
R16	1-249-423-11	CARBON	3.3K	5%	1/4W
R17	1-249-423-11	CARBON	3.3K	5%	1/4W
R18	1-249-423-11	CARBON	3.3K	5%	1/4W
R19	1-249-423-11	CARBON	3.3K	5%	1/4W
R20	1-249-423-11	CARBON	3.3K	5%	1/4W
R21	1-249-420-11	CARBON	1.8K	5%	1/4W
R22	1-249-414-11	CARBON	560	5%	1/4W
R23	1-249-441-11	CARBON	100K	5%	1/4W
R24	1-249-421-11	CARBON	2.2K	5%	1/4W
R25	1-249-393-11	CARBON	10	5%	1/4W
R26	1-249-407-11	CARBON	150	5%	1/4W
R27	1-249-390-11	CARBON	5.6	5%	1/4W
R101	1-249-424-11	CARBON	3.9K	5%	1/4W
R102	1-249-441-11	CARBON	100K	5%	1/4W
R103	1-215-394-00	CARBON	75	5%	1/4W
R104	1-249-421-11	CARBON	2.2K	5%	1/4W
R105	1-249-423-11	CARBON	3.3K	5%	1/4W
R106	1-247-849-00	CARBON	5.6K	5%	1/4W
R107	1-249-429-11	CARBON	10K	5%	1/4W
R108	1-249-425-11	CARBON	4.7K	5%	1/4W
R109	1-249-427-11	CARBON	6.8K	5%	1/4W
R110	1-247-849-00	CARBON	5.6K	5%	1/4W
R111	1-249-429-11	CARBON	10K	5%	1/4W
R112	1-249-419-11	CARBON	1.5K	5%	1/4W
R114	1-249-424-11	CARBON	3.9K	5%	1/4W
R115	1-249-417-11	CARBON	1K	5%	1/4W
R116	1-249-419-11	CARBON	1.5K	5%	1/4W
R117	1-249-406-11	CARBON	120	5%	1/4W
R118	1-249-406-11	CARBON	120	5%	1/4W
R119	1-249-430-11	CARBON	12K	5%	1/4W
R120	1-249-417-11	CARBON	1K	5%	1/4W
R121	1-249-431-11	CARBON	15K	5%	1/4W
R122	1-249-422-11	CARBON	2.7K	5%	1/4W
R123	1-215-452-00	CARBON	20K	5%	1/4W
R124	1-249-418-11	CARBON	1.2K	5%	1/4W
R125	1-249-422-11	CARBON	2.7K	5%	1/4W
R126	1-249-422-11	CARBON	2.7K	5%	1/4W
R127	1-249-438-11	CARBON	56K	5%	1/4W
R128	△ 1-217-639-00	FUSIBLE	2.2	5%	1/4W
R152	1-249-435-11	CARBON	33K	5%	1/4W
R161	1-249-437-11	CARBON	47K	5%	1/4W
R162	1-249-422-11	CARBON	2.7K	5%	1/4W
R197	1-215-452-00	CARBON	20K	5%	1/4W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R198	1-249-397-11	CARBON	22	5%	1/4W
R199	1-249-403-11	CARBON	68	5%	1/4W
R201	1-249-424-11	CARBON	3.9K	5%	1/4W
R202	1-249-441-11	CARBON	100K	5%	1/4W
R203	1-215-394-00	CARBON	75	5%	1/4W
R204	1-249-421-11	CARBON	2.2K	5%	1/4W
R205	1-249-423-11	CARBON	3.3K	5%	1/4W
R206	1-247-849-00	CARBON	5.6K	5%	1/4W
R207	1-249-429-11	CARBON	10K	5%	1/4W
R208	1-249-425-11	CARBON	4.7K	5%	1/4W
R209	1-249-427-11	CARBON	6.8K	5%	1/4W
R210	1-247-849-00	CARBON	5.6K	5%	1/4W
R211	1-249-429-11	CARBON	10K	5%	1/4W
R212	1-249-419-11	CARBON	1.5K	5%	1/4W
R214	1-249-424-11	CARBON	3.9K	5%	1/4W
R215	1-249-417-11	CARBON	1K	5%	1/4W
R216	1-249-419-11	CARBON	1.5K	5%	1/4W
R217	1-249-406-11	CARBON	120	5%	1/4W
R218	1-249-406-11	CARBON	120	5%	1/4W
R219	1-249-430-11	CARBON	12K	5%	1/4W
R220	1-249-417-11	CARBON	1K	5%	1/4W
R221	1-249-431-11	CARBON	15K	5%	1/4W
R222	1-249-422-11	CARBON	2.7K	5%	1/4W
R223	1-215-452-00	CARBON	20K	5%	1/4W
R224	1-249-418-11	CARBON	1.2K	5%	1/4W
R225	1-249-422-11	CARBON	2.7K	5%	1/4W
R226	1-249-422-11	CARBON	2.7K	5%	1/4W
R227	1-249-438-11	CARBON	56K	5%	1/4W
R228	△ 1-217-639-00	FUSIBLE	2.2	5%	1/4W
R252	1-249-435-11	CARBON	33K	5%	1/4W
R261	1-249-437-11	CARBON	47K	5%	1/4W
R262	1-249-422-11	CARBON	2.7K	5%	1/4W
R297	1-215-452-00	CARBON	20K	5%	1/4W
R298	1-249-397-11	CARBON	22	5%	1/4W
R299	1-249-403-11	CARBON	68	5%	1/4W
R301	1-249-405-11	CARBON	100	5%	1/4W
R302	1-249-405-11	CARBON	100	5%	1/4W
R303	△ 1-212-869-00	FUSIBLE	33	5%	1/4W
R304	1-249-401-11	CARBON	47	5%	1/4W
R305	1-249-419-11	CARBON	1.5K	5%	1/4W
R306	1-249-393-11	CARBON	10	5%	1/4W
R307	1-249-429-11	CARBON	10K	5%	1/4W
R309	1-249-436-11	CARBON	39K	5%	1/4W
R310	1-249-429-11	CARBON	10K	5%	1/4W
R311	1-215-493-00	CARBON	1M	5%	1/4W
R312	1-249-405-11	CARBON	100	5%	1/4W
R313	1-249-435-11	CARBON	33K	5%	1/4W
R314	1-249-435-11	CARBON	33K	5%	1/4W
R315	1-249-435-11	CARBON	33K	5%	1/4W
R316	1-249-409-11	CARBON	220	5%	1/4W
R317	1-247-891-00	CARBON	330K	5%	1/4W
R318	1-215-480-00	CARBON	300K	5%	1/4W
R319	1-249-409-11	CARBON	220	5%	1/4W
R320	1-249-429-11	CARBON	10K	5%	1/4W
R321	1-249-435-11	CARBON	33K	5%	1/4W
R322	1-249-423-11	CARBON	3.3K	5%	1/4W
R323	1-249-441-11	CARBON	100K	5%	1/4W

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R324	1-249-435-11	CARBON	33K	5%	1/4W
R325	1-249-425-11	CARBON	4.7K	5%	1/4W
R326	1-249-441-11	CARBON	100K	5%	1/4W
R327	1-247-883-00	CARBON	150K	5%	1/4W
R328	1-249-435-11	CARBON	33K	5%	1/4W
R329	1-249-435-11	CARBON	33K	5%	1/4W
R330	1-249-429-11	CARBON	10K	5%	1/4W
R331	1-249-419-11	CARBON	1.5K	5%	1/4W
R332	1-249-429-11	CARBON	10K	5%	1/4W
R333	1-249-423-11	CARBON	3.3K	5%	1/4W
R334	1-249-399-11	CARBON	33	5%	1/4W
R335	1-249-429-11	CARBON	10K	5%	1/4W
R336	1-249-397-11	CARBON	22	5%	1/4W
R337	1-249-393-11	CARBON	10	5%	1/4W
R338	1-249-405-11	CARBON	100	5%	1/4W
R339	1-249-419-11	CARBON	1.5K	5%	1/4W
R340	1-249-412-11	CARBON	390	5%	1/4W
R350	1-249-425-11	CARBON	4.7K	5%	1/4W
R351	1-249-423-11	CARBON	3.3K	5%	1/4W
R352	1-249-435-11	CARBON	33K	5%	1/4W
R397	1-249-410-11	CARBON	270	5%	1/4W
R398	1-249-410-11	CARBON	270	5%	1/4W
R399	1-249-410-11	CARBON	270	5%	1/4W
R401	1-249-405-11	CARBON	100	5%	1/4W
R402	1-249-422-11	CARBON	2.7K	5%	1/4W
R403	1-215-489-00	CARBON	680K	5%	1/4W
R404	1-249-403-11	CARBON	68	5%	1/4W
R405	1-249-421-11	CARBON	2.2K	5%	1/4W
R501	1-249-405-11	CARBON	100	5%	1/4W
R502	1-249-422-11	CARBON	2.7K	5%	1/4W
R503	1-249-425-11	CARBON	4.7K	5%	1/4W
R504	1-249-425-11	CARBON	4.7K	5%	1/4W
R505	1-249-413-11	CARBON	470	5%	1/4W
R701	1-247-863-11	CARBON	22K	5%	1/4W
R702	1-247-831-31	CARBON	1K	5%	1/4W
R703	1-247-863-11	CARBON	22K	5%	1/4W
R704	1-247-791-00	CARBON	99	5%	1/4W
R711	1-249-441-11	CARBON	100K	5%	1/4W
R712	1-249-429-11	CARBON	10K	5%	1/4W
R713	1-249-429-11	CARBON	10K	5%	1/4W
R714	1-249-441-11	CARBON	100K	5%	1/4W
R715	1-247-883-00	CARBON	150K	5%	1/4W
R716	1-249-439-11	CARBON	68K	5%	1/4W
R717	1-249-441-11	CARBON	100K	5%	1/4W
R718	1-215-479-00	CARBON	270K	5%	1/4W
R719	1-249-435-11	CARBON	33K	5%	1/4W
R720	1-249-441-11	CARBON	100K	5%	1/4W
R722	1-249-437-11	CARBON	47K	5%	1/4W
R723	1-247-894-00	CARBON	430K	5%	1/4W
R724	1-247-849-00	CARBON	5.6K	5%	1/4W
R725	1-249-441-11	CARBON	100K	5%	1/4W
R726	1-215-493-00	CARBON	1M	5%	1/4W
R727	1-215-452-00	CARBON	20K	5%	1/4W
R728	1-215-446-00	CARBON	11K	5%	1/4W
R729	1-249-441-11	CARBON	100K	5%	1/4W
R730	1-249-441-11	CARBON	100K	5%	1/4W
R731	1-249-429-11	CARBON	10K	5%	1/4W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R733	1-215-493-00	CARBON	1M	5%	1/4W
R735	1-249-441-11	CARBON	100K	5%	1/4W
R736	1-249-441-11	CARBON	100K	5%	1/4W
R737	1-249-429-11	CARBON	10K	5%	1/4W
R738	1-249-430-11	CARBON	12K	5%	1/4W
R739	1-215-493-00	CARBON	1M	5%	1/4W
R740	1-215-493-00	CARBON	1M	5%	1/4W
R741	1-249-430-11	CARBON	12K	5%	1/4W
R742	1-249-430-11	CARBON	12K	5%	1/4W
R743	1-249-421-11	CARBON	2.2K	5%	1/4W
R744	1-249-417-11	CARBON	1K	5%	1/4W
R745	1-249-417-11	CARBON	1K	5%	1/4W
R746	1-249-417-11	CARBON	1K	5%	1/4W
R747	1-249-417-11	CARBON	1K	5%	1/4W
R748	1-249-425-11	CARBON	4.7K	5%	1/4W
R749	1-249-425-11	CARBON	4.7K	5%	1/4W
R750	1-249-417-11	CARBON	1K	5%	1/4W
R752	1-249-435-11	CARBON	33K	5%	1/4W
R753	1-249-385-11	CARBON	2.2	5%	1/4W
R754	1-249-385-11	CARBON	2.2	5%	1/4W
R755	1-249-385-11	CARBON	2.2	5%	1/4W
R756	1-249-385-11	CARBON	2.2	5%	1/4W
R757	1-249-421-11	CARBON	2.2K	5%	1/4W
R758	1-249-423-11	CARBON	3.3K	5%	1/4W
R759	1-249-435-11	CARBON	33K	5%	1/4W
R760	1-247-866-00	CARBON	30K	5%	1/4W
R761	1-249-431-11	CARBON	15K	5%	1/4W
R762	1-249-435-11	CARBON	33K	5%	1/4W
R763	1-249-409-11	CARBON	220	5%	1/4W
R767	1-249-410-11	CARBON	270	5%	1/4W
R768	1-217-641-00	FUSIBLE	4.7	5%	1/4W F
R771	1-215-476-00	METAL	200K	1%	1/6W
R772	1-215-431-00	METAL	2.7K	1%	1/6W
R773	1-215-469-00	METAL	100K	1%	1/6W
R774	1-215-469-00	METAL	100K	1%	1/6W
R775	1-215-439-00	METAL	5.6K	1%	1/6W
R776	1-215-439-00	METAL	5.6K	1%	1/6W
R777	1-215-453-00	METAL	22K	1%	1/6W
R778	1-215-453-00	METAL	22K	1%	1/6W
R779	1-215-445-00	METAL	10K	1%	1/6W
R780	1-215-445-00	METAL	10K	1%	1/6W
R781	1-215-459-00	METAL	39K	1%	1/6W
R782	1-215-459-00	METAL	39K	1%	1/6W
R783	1-215-436-00	METAL	4.3K	1%	1/6W
R784	1-215-436-00	METAL	4.3K	1%	1/6W
R795	1-249-396-11	CARBON	18	5%	1/4W
R796	1-249-396-11	CARBON	18	5%	1/4W
R797	1-249-396-11	CARBON	18	5%	1/4W
R798	1-249-396-11	CARBON	18	5%	1/4W
R799	1-249-415-11	CARBON	680	5%	1/4W
R801	1-249-411-11	CARBON	330	5%	1/4W
R802	1-249-411-11	CARBON	330	5%	1/4W
R803	1-249-411-11	CARBON	330	5%	1/4W
R804	1-249-411-11	CARBON	330	5%	1/4W
R805	1-249-411-11	CARBON	330	5%	1/4W
R806	1-249-411-11	CARBON	330	5%	1/4W
R807	1-249-411-11	CARBON	330	5%	1/4W

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
R808	1-249-411-11	CARBON 330 5% 1/4W
R809	1-249-441-11	CARBON 100K 5% 1/4W
R810	1-249-433-11	CARBON 22K 5% 1/4W
R811	1-249-433-11	CARBON 22K 5% 1/4W
R812	1-249-433-11	CARBON 22K 5% 1/4W
R813	1-249-429-11	CARBON 10K 5% 1/4W
R814	1-249-429-11	CARBON 10K 5% 1/4W
R815	1-249-417-11	CARBON 1K 5% 1/4W
R816	1-249-429-11	CARBON 10K 5% 1/4W
R817	1-249-429-11	CARBON 10K 5% 1/4W
R901	△ 1-217-422-00	FUSIBLE 1 5% 1/2W F
R902	1-249-416-11	CARBON 820 5% 1/4W
R904	1-249-412-11	CARBON 390 5% 1/4W
R905	△ 1-217-422-00	FUSIBLE 1 5% 1/2W F
R906	1-249-412-11	CARBON 390 5% 1/4W
R908	1-249-427-81	CARBON 6.8K 5% 1/4W
RV1	1-228-993-00	RES, ADJ, CARBON 4.7K
RV301	1-237-630-11	RES, VAR, SLIDE 50K/50K (VOLUME)
RV302	1-237-631-11	RES, VAR, SLIDE 20K/20K (TONE)
RV701	1-230-895-11	RES, ADJ, CARBON 20K
RV702	1-230-608-11	RES, ADJ, CARBON 50K
RV703	1-228-991-00	RES, ADJ, METAL GLAZE 2.2K
RV704	1-228-995-00	RES, ADJ, METAL GLAZE 22K
RV705	1-228-995-00	RES, ADJ, METAL GLAZE 22K
RV706	1-228-994-00	RES, ADJ, CARBON 10K
S1	1-570-627-11	SWITCH, LEVER SLIDE (BAND)
S2	1-553-961-00	SWITCH, SLIDE (SW)
S301	1-571-014-11	SWITCH, SLIDE (REC/PB)
S302	1-571-016-11	SWITCH, LEVER SLIDE (FUNCTION)
S303	1-571-015-11	SWITCH, SLIDE (DIRECTION)
S304	1-552-909-00	SWITCH, PUSH (TAPE PB)
S305	1-570-068-11	SWITCH, PUSH (1 KEY)(REC MUTE)
S306	1-552-909-00	SWITCH, PUSH (DIRECTION MODE)
S401	1-554-798-31	SWITCH, SLIDE (ISS)
S501	1-552-864-00	SWITCH, LEAF (DIR)
S502	1-570-013-11	SWITCH, LEAF (POWER)
S503	1-570-012-11	SWITCH, LEAF (AMS)
S504	1-570-012-11	SWITCH, LEAF (PAUSE)
S701	1-570-822-21	SWITCH, LEAF (LIMIT)
S702	1-570-912-11	SWITCH, LEAF (LOAD IN)
S801	1-554-174-00	SWITCH, KEY BOARD (◀◀)
S802	1-554-174-00	SWITCH, KEY BOARD (◀)
S803	1-554-174-00	SWITCH, KEY BOARD (▶▶)
S804	1-554-174-00	SWITCH, KEY BOARD (▶▶)
S805	1-554-174-00	SWITCH, KEY BOARD (REMAIN/ENTER)
S806	1-554-174-00	SWITCH, KEY BOARD (REPEAT 1/ALL)

ELECTRICAL PARTS

Ref.No.	Part No.	Description
S807	1-554-174-00	SWITCH, KEY BOARD (CHUFFLE/RMS)
S808	1-554-174-00	SWITCH, KEY BOARD (■)
S809	1-554-174-00	SWITCH, KEY BOARD (▶)
S901	△ 1-553-318-31	SWITCH, PUSH (AC POWER)(1 KEY)
SP901	1-503-877-11	SPEAKER
SP902	1-503-877-11	SPEAKER
T1	1-404-455-00	TRANSFORMER, IF
T2	1-406-040-00	COIL (OSC)
T3	1-406-244-11	COIL (OSC)
T5	1-406-097-11	COIL, OSC (SW1)
T6	1-406-098-11	COIL, OSC (SW2)
T7	1-406-099-11	COIL, OSC (SW3)
T8	1-406-100-11	COIL, OSC (SW4)
T9	1-406-101-11	COIL, OSC (SW5)
T301	1-433-317-11	TRANSFORMER, BIAS OSCILLATION
T901	△ 1-448-958-11	(AEP)...TRANSFORMER, POWER
T901	△ 1-448-959-11	(UK)...TRANSFORMER, POWER
XF701	1-567-737-11	VIBRATOR, CRYSTAL

ACCESSORY & PACKING MATERIAL

Part No.	Description
3-765-943-11	MANUAL, INSTRUCTION
3-765-943-41	(AEP)...MANUAL, INSTRUCTION
3-703-878-01	(WHITE)...LABEL, COLOR
*4-885-838-00	LABEL, CLASS 1
4-918-296-02	BAG, PROTECTION
4-919-945-01	CUSHION (UPPER)
4-919-946-01	CUSHION (LOWER)
4-919-995-01	CUSHION, CHUKING
4-921-127-01	INDIVIDUAL CARTON
4-921-130-01	CUSHION (INNER)

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

TROUBLESHOOTING GUIDE

The unit does not operate.	<ul style="list-style-type: none"> • The AC power cord is not connected (for AC operation). • Incorrect polarity of batteries • Weak batteries
No audio	<ul style="list-style-type: none"> • Slide the VOLUME control toward MAX. • Check the FUNCTION selector setting. • The headphones are plugged in to PHONES A jack (when listening through the speakers).

CD PLAYER OPERATION

Disc play does not begin.	<ul style="list-style-type: none"> • The disc is inserted with the labeled surface facing up. • Dusty or defective disc • Dirty or dusty lens • The disc compartment lid is not closed. • Moisture condensation • When the CD operation buttons cannot be activated, turn off the unit and begin again. • Improper setting of the FUNCTION selector
Skipping of sound	<ul style="list-style-type: none"> • Dusty or defective disc • Dirty lens • Strong vibrations

CASSETTE-CORDER OPERATION

Tape does not move.	<ul style="list-style-type: none"> • The cassette is being inserted improperly. • The tape is slack. • The cassette compartment lid is not closed.
The ● button cannot be activated.	<ul style="list-style-type: none"> • No cassette in the cassette holder. • The tab is removed from the cassette.
Recording or playback cannot be made or there is a decrease in sound level.	<ul style="list-style-type: none"> • Dirty heads • Improper setting of the FUNCTION selector
Unsatisfactory erasing	<ul style="list-style-type: none"> • Dirty erase head • Weak batteries
Excessive wow or flutter, or sound drop-out	<ul style="list-style-type: none"> • Contamination of the capstan or pinch roller • Magnetic contamination of the head • Weak batteries